

INFORME DE BÚSQUEDA DE PATENTES				
N° de solicitud: NC20170009060				
CRITERIOS PARA LA BÚSQUEDA (Anexar pantallazo o reporte en PDF, junto con los boléanos utilizados*. Para el caso de secuencias, anexar alineamientos)				
PALABRAS CLAVE UTILIZADAS		Cysteine protease activity, polypeptide, diseases mediated IgG, IdeS (Immunoglobulin G-degrading enzyme of <i>S. pyogenes</i>), IdeZ, <i>Streptococcus pyogenes</i> , <i>Streptococcus equi</i> SSP. <i>Zooepidemicus</i> .		
CLASIFICACIONES UTILIZADAS PARA LA BÚSQUEDA		C12N 9/24.		
DOCUMENTOS CONSIDERADOS RELEVANTES (documentos patentes, literatura no patente, etc...)				
Informes/Base de datos	N° de solicitud/ Autor**	Fecha de Publicación/ Presentación (DD/MM/AAAA)	Reiv. afectadas (Con indicación, si procede, de las partes relevantes o números de secuencias)	Categorías especiales de los documentos citados***
SIPI	No hay registros que puedan afectar la patentabilidad de la solicitud.	-	-	-
Informe de búsqueda internacional EPO (12/04/2016)	WO2013037824	21/03/2013	Rv.1, 4 a 8 (Pág. 20, líneas 6 a 32 - Pág. 30 a 34 - Pág. 43, Ejemplo 2).	X
STN	US20050119464	02/06/2005	-	A
	WO2006131347	14/12/2006	-	A
	WO2003051914	26/06/2003	-	A
	WO2002050107	27/06/2002	-	A
	WO2006042027	24/08/2006	-	A
	Agniswamy J. <i>et al.</i> , 2006.	28/02/2006	-	A
	Nandakumar <i>et al.</i> , 2008.	06/03/2008	-	A
	Persson H. <i>et al.</i> , 2015.	01/12/2015	-	A
The Lens	US20100303781	01/12/2010	-	A
	WO2009075646	18/06/2009	Rv. 1, 4 a 6 (Pág. 8 líneas 7 y 8 - Pág. 11 y 12 – Ejemplo 1 a 10 - Pág. 34, líneas 25 a 37).	X
	WO2011149419	01/12/2011	Rv. 1, 4 a 6 (Pág.13 y 14 - Pág. 21 y 22, Ejemplo 4).	X
	US7666582	23/02/2010	-	A
*** Categorías especiales de documentos citados:				
“A” documento que define el estado general de la técnica no considerado como particularmente relevante. “E” solicitud de patente o patente anterior pero publicada en la fecha de presentación internacional o en fecha posterior. “P” documento publicado antes de la fecha de presentación internacional pero con posterioridad a la fecha de prioridad reivindicada.		“X” documento particularmente relevante; la invención reivindicada no puede considerarse nueva o que implique una actividad inventiva por referencia al documento aisladamente considerado. “Y” documento particularmente relevante; la invención reivindicada no puede considerarse que implique una actividad inventiva cuando el documento se asocia a otro u otros documentos de la misma naturaleza, cuya combinación resulta evidente para un experto en la materia.		

	- Agniswamy J. <i>et al.</i> , 2006. Crystal Structure of Group A Streptococcus Mac-1: Insight into Dimer-Mediated Specificity for Recognition of Human IgG. DATABASE PDBe (Online) EBI; XP002757116. Database
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Literatura no patente

accession no. 2au1.

- Nandakumar *et al.*, 2008. Therapeutic cleavage of IgG: new avenues for treating inflammation. TRENDS IN IMMUNOLOGY, 20080306 Elsevier Ltd. * Trends Journals, GB. Vol: 29, Nr: 4, Page(s): 173 – 178.

- Persson H. *et al.*, 2015. Proteolytic processing of the streptococcal IgG endopeptidase IdeS modulates the functional properties of the enzyme and results in reduced immunorecognition. MOLECULAR IMMUNOLOGY, 20151201 PERGAMON, GB. Vol: 68, Nr: 2, Part A, Page(s): 176 – 184.

Fecha del reporte de búsqueda:

26/11/2018

BÚSQUEDA EN STN

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Embase
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=> Fil BIOSIS CAPLUS PCTFULL REGISTRY USPATFULL

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FULL ESTIMATED COST		0.68	0.68

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=> S "Cysteine proteinase-inhibiting protein"+UF,OLD/CT OR "Cysteine proteinase-inhibiting protein"+UF,OLD/CT OR "Cysteine proteinase-inhibiting protein"+UF,OLD/CT AND (IdeS OR Immunoglobulin G-degrading enzyme of S. pyogenes)

RELATIONSHIP 'OLD' IGNORED
NOT A VALID RELATIONSHIP CODE FOR FIELD 'CT'
"CYSTEINE PROTEINASE-INHIBITING PROTEIN" NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'UF,OLD' IGNORED
RELATIONSHIP 'OLD' IGNORED
NOT A VALID RELATIONSHIP CODE FOR FIELD 'CT'
"CYSTEINE PROTEINASE-INHIBITING PROTEIN" NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'UF,OLD' IGNORED
RELATIONSHIP 'OLD' IGNORED
NOT A VALID RELATIONSHIP CODE FOR FIELD 'CT'
"CYSTEINE PROTEINASE-INHIBITING PROTEIN" NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'UF,OLD' IGNORED
L1 0 FILE BIOSIS
L2 730 FILE CAPLUS

'CT' IS NOT A VALID FIELD CODE
L3 0 FILE PCTFULL
'CT' IS NOT A VALID FIELD CODE
L4 0 FILE REGISTRY
RELATIONSHIP 'UF,OLD' IGNORED
RELATIONSHIPS DO NOT EXIST FOR FIELD 'CT'
RELATIONSHIP 'UF,OLD' IGNORED
RELATIONSHIPS DO NOT EXIST FOR FIELD 'CT'
RELATIONSHIP 'UF,OLD' IGNORED
RELATIONSHIPS DO NOT EXIST FOR FIELD 'CT'
L5 0 FILE USPATFULL

TOTAL FOR ALL FILES
L6 730 "CYSTEINE PROTEINASE-INHIBITING PROTEIN"+UF,OLD/CT OR "CYSTEINE PROTEINASE-INHIBITING PROTEIN"+UF,OLD/CT OR "CYSTEINE PROTEINASE-INHIBITING PROTEIN"+UF,OLD/CT AND (IDES OR IMMUNOGLOBULIN G-DEGRADING ENZYME OF S. PYOGENES)

=> S "Cleavage" AND "IgG, fusion products"

L7 0 FILE BIOSIS
L8 5 FILE CAPLUS
L9 1 FILE PCTFULL
L10 0 FILE REGISTRY
L11 2 FILE USPATFULL

TOTAL FOR ALL FILES
L12 8 "CLEAVAGE" AND "IGG, FUSION PRODUCTS"

=> S L6 AND L12

L13 0 FILE BIOSIS
L14 0 FILE CAPLUS
L15 0 FILE PCTFULL
L16 0 FILE REGISTRY
L17 0 FILE USPATFULL

TOTAL FOR ALL FILES
L18 0 L6 AND L12

=> S "Cleavage" AND IgG

L19 984 FILE BIOSIS
L20 1337 FILE CAPLUS
L21 39878 FILE PCTFULL
L22 0 FILE REGISTRY
L23 69746 FILE USPATFULL

TOTAL FOR ALL FILES
L24 111945 "CLEAVAGE" AND IGG

=> S L6 AND I24

L25 0 FILE BIOSIS
L26 0 FILE CAPLUS
L27 0 FILE PCTFULL
L28 0 FILE REGISTRY
L29 0 FILE USPATFULL

TOTAL FOR ALL FILES
L30 0 L6 AND L24

=> S L6 AND L24

L31 0 FILE BIOSIS
L32 0 FILE CAPLUS
L33 0 FILE PCTFULL
L34 0 FILE REGISTRY
L35 0 FILE USPATFULL

TOTAL FOR ALL FILES
L36 0 L6 AND L24

=> D L12 1-8

=> S polypeptide# AND cysteine protease

L37 212 FILE BIOSIS
L38 311 FILE CAPLUS
L39 3925 FILE PCTFULL
L40 1 FILE REGISTRY
L41 6490 FILE USPATFULL

TOTAL FOR ALL FILES
L42 10939 POLYPEPTIDE# AND CYSTEINE PROTEASE

=> S "Streptococcus pyogenes"

L43 12498 FILE BIOSIS
L44 13055 FILE CAPLUS
L45 7431 FILE PCTFULL
L46 32515 FILE REGISTRY
L47 12772 FILE USPATFULL

TOTAL FOR ALL FILES
L48 78271 "STREPTOCOCCUS PYOGENES"

=> S L42 AND L48

L49 2 FILE BIOSIS
L50 7 FILE CAPLUS
L51 168 FILE PCTFULL
L52 0 FILE REGISTRY
L53 270 FILE USPATFULL

TOTAL FOR ALL FILES
L54 447 L42 AND L48

=> S IdeS OR (Immunoglobulin G-degrading enzyme of S. pyogenes)

L55 603 FILE BIOSIS
L56 766 FILE CAPLUS
L57 4805 FILE PCTFULL
L58 16368 FILE REGISTRY
L59 3139 FILE USPATFULL

TOTAL FOR ALL FILES
L60 25681 IDES OR (IMMUNOGLOBULIN G-DEGRADING ENZYME OF S. PYOGENES)

=> S L54 AND L60

L61 1 FILE BIOSIS
L62 2 FILE CAPLUS
L63 21 FILE PCTFULL
L64 0 FILE REGISTRY

L65 34 FILE USPATFULL

TOTAL FOR ALL FILES
L66 58 L54 AND L60

=> D L66 1-10

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=> FII BIOSIS CAPLUS PCTFULL REGISTRY USPATFULL

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FULL ESTIMATED COST		0.34	0.34

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=> S
DDYQRNATEAYAKEVPHQITSVWTKGVTPLTPEQFRYNNEDVIHAPYLAHQGWYDITKAFDGKDNLLCGAATAGNMLHWWFDQNKTEIEAYLSKHPEKQKIIFNNQELFDLKAA
IDTKDSQTSQNLFNRYFRDKAFPNLSARQLGVMPDLVLDMFINGYYLNVFKTQSTDVNRPYQDKDKRGGIFDAVFTRG/SQSP

'SQSP' IS NOT A VALID FIELD CODE
L1 0 FILE BIOSIS
'SQSP' IS NOT A VALID FIELD CODE
L2 0 FILE CAPLUS
'SQSP' IS NOT A VALID FIELD CODE
L3 0 FILE PCTFULL
L4 8 FILE REGISTRY
'SQSP' IS NOT A VALID FIELD CODE
L5 0 FILE USPATFULL

TOTAL FOR ALL FILES
L6 8 DDYQRNATEAYAKEVPHQITSVWTKGVTPLTPEQFRYNNEDVIHAPYLAHQGWYDITKAFDGKD
NLLCGAATAGNMLHWWFDQNKTEIEAYLSKHPEKQKIIFNNQELFDLKAAIDTKDSQTSQNLFN
YFRDKAFPNLSARQLGVMPDLVLDMFINGYYLNVFKTQSTDVNRPYQDKDKRGGIFDAVFTRG/
SQSP

=> S DQTTLLTARHDLKNKGLNDISTIIKQELTEGRALALSHTYANVSISHVINLWGADFNAEGNLEAIYVTDSDANASIGMKKYFVGINAHGHVAISAKKIE/SQSP

'SQSP' IS NOT A VALID FIELD CODE
L7 0 FILE BIOSIS
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L8 0 FILE CAPLUS
'SQSP' IS NOT A VALID FIELD CODE
L9 0 FILE PCTFULL
L10 12 FILE REGISTRY
'SQSP' IS NOT A VALID FIELD CODE
L11 0 FILE USPATFULL

TOTAL FOR ALL FILES
L12 12 DQTTLLTARHDLKNKGLNDISTIIKQELTEGRALALSHTYANVSISHVINLWGADFNAEGNLEA
IYVTDSDANASIGMKKYFVGINAHGHVAISAKKIE/SQSP

=> S L6 AND L12

L13 0 FILE BIOSIS

L14 0 FILE CAPLUS
L15 0 FILE PCTFULL
L16 2 FILE REGISTRY
L17 0 FILE USPATFULL

TOTAL FOR ALL FILES
L18 2 L6 AND L12

=> D L18

L18 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2018 ACS on STN
RN 1982400-16-7 REGISTRY
ED Entered STN: 29 Aug 2016
CN Proteinase IdeZ (Streptococcus equi zooepidemicus) (CA INDEX NAME)
OTHER NAMES:
CN 4: PN: WO2016128559 SEQID: 4 claimed protein
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> S
DYQRNATEAYAKEVPHQITSVWTKGVPTLTPEQFRYNNEDVFHAPYVANQGWDITKAFDGDKNLLCGAATAGNMLHWWFDQNKDQIKRYLEEHPEKQKINFNGDNMFDV/S
QSP

'SQSP' IS NOT A VALID FIELD CODE
L19 0 FILE BIOSIS
'SQSP' IS NOT A VALID FIELD CODE
L20 0 FILE CAPLUS
'SQSP' IS NOT A VALID FIELD CODE
L21 0 FILE PCTFULL
L22 1 FILE REGISTRY
'SQSP' IS NOT A VALID FIELD CODE
L23 0 FILE USPATFULL

TOTAL FOR ALL FILES
L24 1 DYQRNATEAYAKEVPHQITSVWTKGVPTLTPEQFRYNNEDVFHAPYVANQGWDITKAFDGDKN
LLCGAATAGNMLHWWFDQNKDQIKRYLEEHPEKQKINFNGDNMFDV/SQSP

=> S
KKAIDTKNHQLDSKLFNYFKEKAFPLSARRIGVFPDHVIDMFINGYRLSLTNHGPTPVKEGSKDPRGGIFDAVFTRGNQSKLLTSRHDFKNKNLNDISTIIKQELTKGKALGLSHT
YANVSINHVINLWGADFNAEGNLEAIYVTDSDSNASIGMKKYFVGVAHGHVAISAKKIEGEN/SQSP

'SQSP' IS NOT A VALID FIELD CODE
L25 0 FILE BIOSIS
'SQSP' IS NOT A VALID FIELD CODE
L26 0 FILE CAPLUS
'SQSP' IS NOT A VALID FIELD CODE
L27 0 FILE PCTFULL
L28 2 FILE REGISTRY
'SQSP' IS NOT A VALID FIELD CODE
L29 0 FILE USPATFULL

TOTAL FOR ALL FILES
L30 2 KKAIDTKNHQLDSKLFNYFKEKAFPLSARRIGVFPDHVIDMFINGYRLSLTNHGPTPVKEGSK
DPRGGIFDAVFTRGNQSKLLTSRHDFKNKNLNDISTIIKQELTKGKALGLSHTYANVSINHVIN
LWGADFNAEGNLEAIYVTDSDSNASIGMKKYFVGVAHGHVAISAKKIEGEN/SQSP

=> S L24 AND L30

L31 0 FILE BIOSIS
L32 0 FILE CAPLUS
L33 0 FILE PCTFULL
L34 1 FILE REGISTRY

L35 0 FILE USPATFULL

TOTAL FOR ALL FILES
L36 1 L24 AND L30

=> D L36

L36 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2018 ACS on STN
RN 1982400-17-8 REGISTRY
ED Entered STN: 29 Aug 2016
CN Proteinase IdeZ (Streptococcus equi zooepidemicus) (CA INDEX NAME)
OTHER NAMES:
CN 5: PN: WO2016128559 SEQID: 5 claimed protein
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> S

DDYQRNATEAYAKEVPHQITSVWTKGVTPLTPEQFRYNNEDVFHAPYVANQGWDITKAFDGKDNLLCGAATAGNMLHWWFDQNKDQIKRYLEEHPKQKINFNGDNMFD/S
QSF

'SQSFP' IS NOT A VALID FIELD CODE
L37 0 FILE BIOSIS
'SQSFP' IS NOT A VALID FIELD CODE
L38 0 FILE CAPLUS
'SQSFP' IS NOT A VALID FIELD CODE
L39 0 FILE PCTFULL
L40 1 FILE REGISTRY
'SQSFP' IS NOT A VALID FIELD CODE
L41 0 FILE USPATFULL

TOTAL FOR ALL FILES
L42 1 DDYQRNATEAYAKEVPHQITSVWTKGVTPLTPEQFRYNNEDVFHAPYVANQGWDITKAFDGKD
NLLCGAATAGNMLHWWFDQNKDQIKRYLEEHPKQKINFNGDNMFD/SQSFP

=> S

VKKAIDTKNHQLDSKLFNYFKEKAFPGLSARRIGVFPDHDVIDMFINGYRLSLTNHGPTPVKEGSKDPRGGIFDAVFTRGNQSKLLTSRHDFKNKNLNDISTIIKQELTKGKALGLSH
TYANVSINHVINLWGADFNAEGNLEAIYVTDSDSNASIGMKKYFVGVAHGHVAISAKKIEGE/SQSFP

'SQSFP' IS NOT A VALID FIELD CODE
L43 0 FILE BIOSIS
'SQSFP' IS NOT A VALID FIELD CODE
L44 0 FILE CAPLUS
'SQSFP' IS NOT A VALID FIELD CODE
L45 0 FILE PCTFULL
L46 2 FILE REGISTRY
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L47 0 FILE USPATFULL

TOTAL FOR ALL FILES
L48 2 VKKAIDTKNHQLDSKLFNYFKEKAFPGLSARRIGVFPDHDVIDMFINGYRLSLTNHGPTPVKEGS
KDPRGGIFDAVFTRGNQSKLLTSRHDFKNKNLNDISTIIKQELTKGKALGLSHTYANVSINHVI
NLWGADFNAEGNLEAIYVTDSDSNASIGMKKYFVGVAHGHVAISAKKIEGE/SQSFP

=> D L48