

SEQUENCE LISTING

<110> SQY THERAPEUTICS

CENTRE SCIENTIFIQUE DE MONACO

<120> UTILISATION DE LA SCLERITINE EN TANT QU'AGENT PROTECTEUR DE CELLULES CONTRE DES AGENTS TOXIQUES

<130> SCLERITINE

<160> 4

<170> BiSSAP 1.3.6

<210> 1

<211> 468

<212> DNA

<213> Corallium rubrum

<400> 1

atgaaatddd ttggtgcat ttggtttgt ctacttcttg ccattccgta tggctcgcca	60
cagcagcaaa ctgtagttdt gaaacacggg ttatttcggc acaggaaggt tggtcagggc	120
gtaattaatc cattaagctc tgaagcagtg gcattgtttt tcaacaaaaa gtggaatact	180
ttatttgaac ttagcaaacg tatgcaacga gagtcattca atttttgcag agcgaacttc	240
ggagtcctta acgactggca aaaaagacag tgcagttgca tcagcatctt cagcttcatg	300
aaccaaggaa gggatgcaat gctggtggcg agaacaactt ttggagaaat ttggcagaat	360
tttaacaaat ttgggccaac tgaatactgc aacacacggc ctgtacagcc tattttccagg	420
cagctagatg atctttgtta ctgtatgaca ggaaatccct ctgtttga	468

<210> 2

<211> 486

<212> DNA

<213> Artificial Sequence

<220>

<223> sequence de la scleritine codon-optimisee (obtenue par synthese)
pour une meilleure prise en charge transcriptionnelle par le
système de production baculovirus/cellules dinsectes

<400> 2

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atgaagttct tcggtgctat cctcgtgtgc ctccctgtgg ctatccccta cggctccccg      60
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gtcattaacc cactgtccag cgaggctgtc gccctcttct tcaacaagaa atggaacact      180
ttcatcgagt tgtctaagag gatgcaaaga gaattctcaa acttctgccg cgctaacttc      240
ggcgttctga acgactggca gaaacgccaa tgcagttgta tctcgatttt ctcccttcattg      300
aaccagggac gcgatgcaat gctcgttgct cgtaccactt tcggagagat ctggcaaaaac      360
ttcaacaaat tcggtccgac agaatactgt aacacgagggc ctgtgcagcc catttccaga      420
caactggacg acttgtgcta ctgtatgact ggaaacccat ccgttcacca ccaccaccat      480
cactga                                     486
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<210> 3

<211> 155

<212> PRT

<213> *Corallium rubrum*

<400> 3

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Met Lys Phe Phe Gly Ala Ile Leu Val Cys Leu Leu Leu Ala Ile Pro
1           5           10           15
Tyr Gly Ser Pro Gln Gln Gln Thr Val Val Met Lys His Gly Phe Ile
20           25           30
Arg His Arg Lys Val Gly Gln Gly Val Ile Asn Pro Leu Ser Ser Glu
35           40           45
Ala Val Ala Leu Phe Phe Asn Lys Lys Trp Asn Thr Phe Ile Glu Leu
50           55           60
Ser Lys Arg Met Gln Arg Glu Ser Ser Asn Phe Cys Arg Ala Asn Phe
65           70           75           80
Gly Val Leu Asn Asp Trp Gln Lys Arg Gln Cys Ser Cys Ile Ser Ile
85           90           95
Phe Ser Phe Met Asn Gln Gly Arg Asp Ala Met Leu Val Ala Arg Thr
100          105          110
Thr Phe Gly Glu Ile Trp Gln Asn Phe Asn Lys Phe Gly Pro Thr Glu
115          120          125
Tyr Cys Asn Thr Arg Pro Val Gln Pro Ile Ser Arg Gln Leu Asp Asp
130          135          140
Leu Cys Tyr Cys Met Thr Gly Asn Pro Ser Val
145          150          155
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<210> 4

<211> 161

<212> PRT

<213> Artificial Sequence

<220>

<223> sequence proteique de la scleritine recombinante codee a partir
de la sequence optimisee de la SEQ ID NO 2

<400> 4

Met	Lys	Phe	Phe	Gly	Ala	Ile	Leu	Val	Cys	Leu	Leu	Leu	Ala	Ile	Pro
1				5					10					15	
Tyr	Gly	Ser	Pro	Gln	Gln	Gln	Thr	Val	Val	Met	Lys	His	Gly	Phe	Ile
			20					25					30		
Arg	His	Arg	Lys	Val	Gly	Gln	Gly	Val	Ile	Asn	Pro	Leu	Ser	Ser	Glu
		35					40					45			
Ala	Val	Ala	Leu	Phe	Phe	Asn	Lys	Lys	Trp	Asn	Thr	Phe	Ile	Glu	Leu
	50					55				60					
Ser	Lys	Arg	Met	Gln	Arg	Glu	Ser	Ser	Asn	Phe	Cys	Arg	Ala	Asn	Phe
65				70					75					80	
Gly	Val	Leu	Asn	Asp	Trp	Gln	Lys	Arg	Gln	Cys	Ser	Cys	Ile	Ser	Ile
			85						90				95		
Phe	Ser	Phe	Met	Asn	Gln	Gly	Arg	Asp	Ala	Met	Leu	Val	Ala	Arg	Thr
			100					105					110		
Thr	Phe	Gly	Glu	Ile	Trp	Gln	Asn	Phe	Asn	Lys	Phe	Gly	Pro	Thr	Glu
		115					120					125			
Tyr	Cys	Asn	Thr	Arg	Pro	Val	Gln	Pro	Ile	Ser	Arg	Gln	Leu	Asp	Asp
	130					135				140					
Leu	Cys	Tyr	Cys	Met	Thr	Gly	Asn	Pro	Ser	Val	His	His	His	His	His
145				150						155				160	
His															