

SEQUENCE LISTING

<110> HASUMI, Kenichiro

KURAYA, Mikio

<120> ANTIGEN PEPTIDE AND USE THEREOF

<130> HK1005

<150> US 61/396,574

<151> 2010-05-27

<160> 16

<170> PatentIn version 3.5

<210> 1

<211> 14

<212> PRT

<213> Propionibacterium acnes

<400> 1

Ala Ile Gln Glu Lys Tyr Gly Asp Asp Arg Glu Arg Ala Gly

1

5

10

<210> 2

<211> 42

<212> DNA

<213> Propionibacterium acnes

<400> 2

gccatccagg aaaagtacgg cgacgacagg gaacgtgccg gc

42

<210> 3
<211> 13
<212> PRT
<213> Propionibacterium acnes

<400> 3

Lys Asp Ala Asp Lys Asp Asn Pro Thr Tyr Gln Lys Val
1 5 10

<210> 4
<211> 39
<212> DNA
<213> Propionibacterium acnes

<400> 4

aaggacgctg acaaagacaa cccgacgtac cagaaggtc 39

<210> 5
<211> 16
<212> DNA
<213> Propionibacterium acnes

<400> 5

gtttgatcct ggctca 16

<210> 6
<211> 18
<212> DNA
<213> Propionibacterium acnes

<400> 6

taccagggta tctaatcc 18

<210> 7
 <211> 19
 <212> DNA
 <213> *Propionibacterium acnes*

<400> 7
 gtattaccgc ggctgctgg 19

<210> 8
 <211> 511
 <212> DNA
 <213> *Propionibacterium acnes*

<400> 8
 agagtttgat cctggctcag gacgaacgct ggcggcgtgc ttaacacatg caagtcgaac 60
 ggaaaggccc tgcttttgtg ggggtgctga gtggcgaacg ggtgagtaac acgtgagtaa 120
 cctgcccttg actttgggat aacttcagga aactggggct aataccggat aggagtcct 180
 gctgcatggt gggggttgga aagtttcggc ggttggggat ggactcgcg cttatcagct 240
 tgttggtggg gtagtggctt accaaggctt tgacgggtag ccggcctgag agggtgaccg 300
 gccacattgg gactgagata cggcccagac tcctacggga ggcagcagtg gggaatattg 360
 cacaatgggc ggaagcctga tgcagcaacg ccgcgtgcgg gatgacggcc ttcgggttgt 420
 aaaccgcttt cgcctgtgac gaagcgtgag tgacggtaat gggtaaagaa gcaccggcta 480
 actacgtgcc agcagccgcg gtgatacgta g 511

<210> 9

<211> 20

<212> DNA

<213> Propionibacterium acnes

<400> 9

gatgaaagcc atccagaaa

20

<210> 10

<211> 20

<212> DNA

<213> Propionibacterium acnes

<400> 10

gcacacgaaa caacgctaga

20

<210> 11

<211> 17

<212> PRT

<213> Propionibacterium acnes

<400> 11

Gly Arg Lys Pro Asp Thr Asn Lys Arg Ser Trp His Arg Lys Ala Ser

1

5

10

15

Arg

<210> 12

<211> 22

<212> PRT

<213> Propionibacterium acnes

<400> 12

Ile Asp Gln Val Arg Glu Tyr Arg His Arg Asp Asp Asp Asp Asp Glu
1 5 10 15

Asp Pro Gly Glu Asp Gly
20

<210> 13

<211> 20

<212> DNA

<213> Propionibacterium acnes

<400> 13

gcacgtagtt agccggtgct

20

<210> 14

<211> 24

<212> DNA

<213> Propionibacterium acnes

<400> 14

ggtgctgtcg tcaataacaa cttc

24

<210> 15

<211> 20

<212> DNA

<213> Propionibacterium acnes

<400> 15

ggagtggcca gagacgatct

20

<210> 16

<211> 504

<212> DNA

<213> Propionibacterium acnes

<400> 16

gtttgatcct ggctcaggac gaacgctggc ggcgtgctta acacatgcaa gtcgaacgga 60

aaggccctgc ttttgtgggg tgctcgagtg gcgaacgggt gagtaacacg tgagtaacct 120

gcccttgact ttgggataac ttcaggaaac tggggctaata accgatagg agctcctgct 180

gcatggtggg ggttggaag tttcggcgggt tggggatgga ctgcgaggctt atcagcttgt 240

tggtgggta gtggttacc aaggcttga cgggtagccg gcctgagagg gtgaccggcc 300

acattgggac tgagatacgg cccagactcc tacgggaggc agcagtgggg aatattgcac 360

aatgggcgga agcctgatgc agcaacgccg cgtgcgggat gacggccttc gggttgtaaa 420

ccgctttcgc ctgtgacgaa gcgtgagtga cggtaatggg taaagaagca ccggctaact 480

acgtgccagc agccgcggtg atac 504