

2014024296.txt  
SEQUENCE LISTING

<110> AmVac AG  
<120> Semi-live respiratory syncytial virus vaccine  
<130> 109818P485PC  
<160> 3  
<170> PatentIn version 3.5  
<210> 1  
<211> 524  
<212> PRT  
<213> Artificial Sequence  
<220>  
<223> Ectodomain of RSV strain ATCC VR-26 F protein  
<400> 1

Met Glu Leu Pro Ile Leu Lys Ala Asn Ala Ile Thr Thr Ile Leu Ala  
1 5 10 15

Ala Val Thr Phe Cys Phe Ala Ser Ser Gln Asn Ile Thr Glu Glu Phe  
20 25 30

Tyr Gln Ser Thr Cys Ser Ala Val Ser Lys Gly Tyr Leu Ser Ala Leu  
35 40 45

Arg Thr Gly Trp Tyr Thr Ser Val Ile Thr Ile Glu Leu Ser Asn Ile  
50 55 60

Lys Glu Asn Lys Cys Asn Gly Thr Asp Ala Lys Val Lys Leu Ile Asn  
65 70 75 80

Gln Glu Leu Asp Lys Tyr Lys Asn Ala Val Thr Glu Leu Gln Leu Leu  
85 90 95

Met Gln Ser Thr Thr Ala Ala Asn Asn Arg Ala Arg Arg Glu Leu Pro  
100 105 110

Arg Phe Met Asn Tyr Thr Leu Asn Asn Thr Lys Lys Thr Asn Val Thr  
115 120 125

Leu Ser Lys Lys Arg Lys Arg Arg Phe Leu Gly Phe Leu Leu Gly Val  
130 135 140

Gly Ser Ala Ile Ala Ser Gly Ile Ala Val Ser Lys Val Leu His Leu  
145 150 155 160

Glu Gly Glu Val Asn Lys Ile Lys Ser Ala Leu Leu Ser Thr Asn Lys  
165 170 175

Ala Val Val Ser Leu Ser Asn Gly Val Ser Val Leu Thr Ser Lys Val  
180 185 190

2014024296.txt

Leu Asp Leu Lys Asn Tyr Ile Asp Lys Gln Leu Leu Pro Ile Val Asn  
 195 200 205  
 Lys Gln Ser Cys Arg Ile Ser Asn Ile Glu Thr Val Ile Glu Phe Gln  
 210 215 220  
 Gln Lys Asn Asn Arg Leu Leu Glu Ile Thr Arg Glu Phe Ser Val Asn  
 225 230 235 240  
 Ala Gly Val Thr Thr Pro Val Ser Thr Tyr Met Leu Thr Asn Ser Glu  
 245 250 255  
 Leu Leu Ser Leu Ile Asn Asp Met Pro Ile Thr Asn Asp Gln Lys Lys  
 260 265 270  
 Leu Met Ser Asn Asn Val Gln Ile Val Arg Gln Gln Ser Tyr Ser Ile  
 275 280 285  
 Met Ser Ile Ile Lys Glu Glu Val Leu Ala Tyr Val Val Gln Leu Pro  
 290 295 300  
 Leu Tyr Gly Val Ile Asp Thr Pro Cys Trp Lys Leu His Thr Ser Pro  
 305 310 315 320  
 Leu Cys Thr Thr Asn Thr Lys Glu Gly Ser Asn Ile Cys Leu Thr Arg  
 325 330 335  
 Thr Asp Arg Gly Trp Tyr Cys Asp Asn Ala Gly Ser Val Ser Phe Phe  
 340 345 350  
 Pro Gln Ala Glu Thr Cys Lys Val Gln Ser Asn Arg Val Phe Cys Asp  
 355 360 365  
 Thr Met Asn Ser Leu Thr Leu Pro Ser Glu Val Asn Leu Cys Asn Val  
 370 375 380  
 Asp Ile Phe Asn Pro Lys Tyr Asp Cys Lys Ile Met Thr Ser Lys Thr  
 385 390 395 400  
 Asp Val Ser Ser Ser Val Ile Thr Ser Leu Gly Ala Ile Val Ser Cys  
 405 410 415  
 Tyr Gly Lys Thr Lys Cys Thr Ala Ser Asn Lys Asn Arg Gly Ile Ile  
 420 425 430  
 Lys Thr Phe Ser Asn Gly Cys Asp Tyr Val Ser Asn Lys Gly Val Asp  
 435 440 445  
 Thr Val Ser Val Gly Asn Thr Leu Tyr Tyr Val Asn Lys Gln Glu Gly  
 450 455 460

2014024296.txt

Lys Ser Leu Tyr Val Lys Gly Glu Pro Ile Ile Asn Phe Tyr Asp Pro  
465 470 475 480

Leu Val Phe Pro Ser Asp Glu Phe Asp Ala Ser Ile Ser Gln Val Asn  
485 490 495

Glu Lys Ile Asn Gln Ser Leu Ala Phe Ile Arg Lys Ser Asp Glu Leu  
500 505 510

Leu His His Val Asn Ala Gly Lys Ser Thr Thr Asn  
515 520

<210> 2  
<211> 26  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Transmembrane domain of RSV strain ATVV VR-26 F protein  
<400> 2

Ile Met Ile Thr Thr Ile Ile Ile Val Ile Ile Val Ile Leu Leu Ser  
1 5 10 15

Leu Ile Ala Val Gly Leu Leu Leu Tyr Cys  
20 25

<210> 3  
<211> 42  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Cytoplasmic domain of SeV strain Fushimi (V52) F protein  
<400> 3

Arg Leu Lys Arg Ser Met Leu Met Gly Asn Pro Asp Asp Arg Ile Pro  
1 5 10 15

Arg Asp Thr Tyr Thr Leu Glu Pro Lys Ile Arg His Met Tyr Thr Asn  
20 25 30

Gly Gly Phe Asp Ala Met Ala Glu Lys Arg  
35 40