

SEQUENCE LISTING-P19FS1NW00003SG.txt

SEQUENCE LISTING

<110> Shenquan Pan

<120> Marker,method and kit for observing effect of compound or drug on cells in real time,and use thereof

<160> 2

<170> PatentIn version 3.3

<210> 1

<211> 565

<212> PRT

<213> Artificial Sequence

<220>

<223> Vire2-GFP11

<400> 1

Met Asp Pro Ser Ser Asn Glu Asn Val Tyr Val Gly Arg Gly His Asn
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Ile Glu Asn Asp Asp Asp Thr Asp Pro Arg Arg Trp Lys Lys Ala Asn
20 25 30

Ile Ser Ser Asn Thr Ile Ser Asp Ile Gln Met Thr Asn Gly Glu Asp
35 40 45

Val Gln Ser Gly Ser Pro Arg Asp His Met Val Leu His Glu Tyr Val
50 55 60

Asn Ala Ala Gly Ile Thr Thr Arg Thr Glu Val Val Ser Pro Arg Leu
65 70 75 80

Asp Tyr Gly Ser Val Asp Ser Ser Ser Ser Leu Tyr Ser Gly Ser Glu
85 90 95

His Gly Asn Gln Ala Glu Ile Gln Lys Glu Leu Ser Val Leu Phe Ser
100 105 110

Asn Met Ser Leu Pro Gly Asn Asp Arg Arg Pro Asp Glu Tyr Ile Leu
115 120 125

Val His Gln Thr Gly Gln Asp Ala Phe Thr Gly Ile Ala Lys Gly Asn
130 135 140

Leu Asp Gln Met Pro Thr Lys Ala Glu Phe Asn Ala Cys Cys Arg Leu
145 150 155 160

Tyr Arg Asp Gly Ala Gly Asn Tyr Tyr Pro Pro Pro Leu Ala Phe Asp
165 170 175

Lys Ile Ser Val Pro Glu Gln Leu Glu Glu Lys Trp Gly Met Met Glu
180 185 190

SEQUENCE LISTING-P19FS1NW00003SG.txt

Ala Lys Glu Arg Asn Lys Leu Arg Phe Gln Tyr Lys Leu Asp Val Trp
195 200 205

Asn His Ala His Ala Asp Met Gly Ile Thr Gly Thr Glu Ile Phe Tyr
210 215 220

Gln Thr Asp Lys Asn Ile Lys Leu Asp Arg Asn Tyr Lys Leu Arg Pro
225 230 235 240

Glu Asp Arg Tyr Val Gln Thr Glu Lys Tyr Gly Arg Arg Glu Ile Gln
245 250 255

Lys Arg Tyr Gln His Glu Leu Gln Ala Gly Ser Leu Leu Pro Asp Ile
260 265 270

Met Ile Lys Thr Pro Gln Asn Asp Ile His Phe Val Tyr Arg Phe Ala
275 280 285

Gly Asp Asn Tyr Ala Asn Lys Gln Phe Ser Glu Phe Glu His Thr Val
290 295 300

Lys Arg Arg Tyr Gly Asp Glu Thr Glu Ile Lys Leu Lys Ser Lys Ser
305 310 315 320

Gly Ile Met His Asp Ser Lys Tyr Leu Glu Ser Trp Glu Arg Gly Ser
325 330 335

Ala Asp Ile Arg Phe Ala Glu Phe Val Gly Glu Asn Arg Ala His Asn
340 345 350

Arg Gln Phe Pro Thr Ala Thr Val Asn Met Gly Gln Gln Pro Asp Gly
355 360 365

Gln Gly Gly Leu Thr Arg Asp Arg His Val Ser Val Asp Phe Leu Met
370 375 380

Gln Ser Ala Pro Asn Ser Pro Trp Ala Gln Ala Leu Lys Lys Gly Glu
385 390 395 400

Leu Trp Asp Arg Val Gln Leu Leu Ala Arg Asp Gly Asn Arg Tyr Leu
405 410 415

Ser Pro Pro Arg Leu Glu Tyr Ser Asp Pro Ala His Phe Thr Glu Leu
420 425 430

Met Asn Arg Val Gly Leu Pro Ala Ser Met Gly Arg Gln Ser His Ala
435 440 445

Ala Ser Ile Lys Phe Glu Lys Phe Asp Ala Gln Ala Ala Val Ile Val
450 455 460

SEQUENCE LISTING-P19FS1NW00003SG.txt

Leu Asn Gly Pro Glu Leu Arg Asp Ile His Asp Leu Ser Pro Glu Lys
465 470 475 480

Leu Gln Asn Leu Ser Thr Lys Asp Val Ile Val Ala Asp Arg Asn Glu
485 490 495

Asn Gly Gln Arg Thr Gly Thr Tyr Thr Ser Val Ala Glu Tyr Glu Arg
500 505 510

Leu Gln Leu Arg Leu Pro Pro Asp Ala Ala Gly Val Leu Gly Glu Ala
515 520 525

Thr Asp Lys Tyr Ser Arg Asp Phe Val Arg Pro Glu Pro Ala Ser Arg
530 535 540

Pro Ile Ser Asp Ser Arg Arg Ile Tyr Glu Ser Arg Pro Arg Ser Gln
545 550 555 560

Ser Val Asn Ser Phe
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<212> PRT
<213> Artificial Sequence

<220>
<223> GFP1-10

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Val Glu Leu Asp Gly Asp Val Asn Gly His Lys Phe Ser Val Arg Gly
20 25 30

Glu Gly Glu Gly Asp Ala Thr Ile Gly Lys Leu Thr Leu Lys Phe Ile
35 40 45

Cys Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr
50 55 60

Leu Thr Tyr Gly Val Gln Cys Phe Ser Arg Tyr Pro Asp His Met Lys
65 70 75 80

Arg His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu
85 90 95

Arg Thr Ile Ser Phe Lys Asp Asp Gly Lys Tyr Lys Thr Arg Ala Val
100 105 110

Val Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly

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115

120

125

Thr Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr
130 135 140

Asn Phe Asn Ser His Asn Val Tyr Ile Thr Ala Asn Lys Gln Lys Asn
145 150 155 160

Gly Ile Lys Ala Asn Phe Thr Val Arg His Asn Val Glu Asp Gly Ser
165 170 175

Val Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly
180 185 190

Pro Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Thr Val Leu
195 200 205

Ser Lys Asp Pro Asn Glu Lys
210 215