SEQUENCE LISTING

<110> NISSAN CHEMICAL CORPORATION

<120> Method for producing a medium composition for culturing adherent cells in suspension.

<130> 093047

<150> JP 2019-125536
<151> 2019-07-04

<160> 3

<170> PatentIn version 3.5

<210> 1
<211> 417
<212> PRT
<213> Artificial Sequence

<220>
<223> amino acid fragment of 62-478 of human vitronectin

<400> 1

```
Val Thr Arg Gly Asp Val Phe Thr Met Pro Glu Asp Glu Tyr Thr Val
1               5                   10                  15


Tyr Asp Asp Gly Glu Glu Lys Asn Asn Ala Thr Val His Glu Gln Val
            20                  25                  30


Gly Gly Pro Ser Leu Thr Ser Asp Leu Gln Ala Gln Ser Lys Gly Asn
        35                  40                  45


Pro Glu Gln Thr Pro Val Leu Lys Pro Glu Glu Glu Ala Pro Ala Pro
    50                  55                  60


Glu Val Gly Ala Ser Lys Pro Glu Gly Ile Asp Ser Arg Pro Glu Thr
65                  70                  75                  80


Leu His Pro Gly Arg Pro Gln Pro Pro Ala Glu Glu Glu Leu Cys Ser
                85                  90                  95


Gly Lys Pro Phe Asp Ala Phe Thr Asp Leu Lys Asn Gly Ser Leu Phe
            100                 105                 110


Ala Phe Arg Gly Gln Tyr Cys Tyr Glu Leu Asp Glu Lys Ala Val Arg
        115                 120                 125


Pro Gly Tyr Pro Lys Leu Ile Arg Asp Val Trp Gly Ile Glu Gly Pro
    130                 135                 140


Ile Asp Ala Ala Phe Thr Arg Ile Asn Cys Gln Gly Lys Thr Tyr Leu
145                 150                 155                 160
```

```
Phe Lys Gly Ser Gln Tyr Trp Arg Phe Glu Asp Gly Val Leu Asp Pro
                165                 170                 175

Asp Tyr Pro Arg Asn Ile Ser Asp Gly Phe Asp Gly Ile Pro Asp Asn
            180                 185                 190

Val Asp Ala Ala Leu Ala Leu Pro Ala His Ser Tyr Ser Gly Arg Glu
        195                 200                 205

Arg Val Tyr Phe Phe Lys Gly Lys Gln Tyr Trp Glu Tyr Gln Phe Gln
    210                 215                 220

His Gln Pro Ser Gln Glu Glu Cys Glu Gly Ser Ser Leu Ser Ala Val
225                 230                 235                 240

Phe Glu His Phe Ala Met Met Gln Arg Asp Ser Trp Glu Asp Ile Phe
                245                 250                 255

Glu Leu Leu Phe Trp Gly Arg Thr Ser Ala Gly Thr Arg Gln Pro Gln
            260                 265                 270

Phe Ile Ser Arg Asp Trp His Gly Val Pro Gly Gln Val Asp Ala Ala
        275                 280                 285

Met Ala Gly Arg Ile Tyr Ile Ser Gly Met Ala Pro Arg Pro Ser Leu
    290                 295                 300

Ala Lys Lys Gln Arg Phe Arg His Arg Asn Arg Lys Gly Tyr Arg Ser
305                 310                 315                 320

Gln Arg Gly His Ser Arg Gly Arg Asn Gln Asn Ser Arg Arg Pro Ser
                325                 330                 335

Arg Ala Met Trp Leu Ser Leu Phe Ser Ser Glu Glu Ser Asn Leu Gly
            340                 345                 350

Ala Asn Asn Tyr Asp Asp Tyr Arg Met Asp Trp Leu Val Pro Ala Thr
        355                 360                 365

Cys Glu Pro Ile Gln Ser Val Phe Phe Phe Ser Gly Asp Lys Tyr Tyr
    370                 375                 380

Arg Val Asn Leu Arg Thr Arg Arg Val Asp Thr Val Asp Pro Pro Tyr
385                 390                 395                 400

Pro Arg Ser Ile Ala Gln Tyr Trp Leu Gly Cys Pro Ala Pro Gly His
                405                 410                 415
```

Leu

<210> 2
<211> 379
<212> PRT
<213> Artificial Sequence

<220>
<223> amino acid fragment of 20 to 398 of human vitronectin

<400> 2

```
Asp Gln Glu Ser Cys Lys Gly Arg Cys Thr Glu Gly Phe Asn Val Asp
1               5                   10                  15


Lys Lys Cys Gln Cys Asp Glu Leu Cys Ser Tyr Tyr Gln Ser Cys Cys
            20                  25                  30


Thr Asp Tyr Thr Ala Glu Cys Lys Pro Gln Val Thr Arg Gly Asp Val
        35                  40                  45


Phe Thr Met Pro Glu Asp Glu Tyr Thr Val Tyr Asp Asp Gly Glu Glu
    50                  55                  60


Lys Asn Asn Ala Thr Val His Glu Gln Val Gly Gly Pro Ser Leu Thr
65                  70                  75                  80


Ser Asp Leu Gln Ala Gln Ser Lys Gly Asn Pro Glu Gln Thr Pro Val
                85                  90                  95


Leu Lys Pro Glu Glu Glu Ala Pro Ala Pro Glu Val Gly Ala Ser Lys
            100                 105                 110


Pro Glu Gly Ile Asp Ser Arg Pro Glu Thr Leu His Pro Gly Arg Pro
        115                 120                 125


Gln Pro Pro Ala Glu Glu Glu Leu Cys Ser Gly Lys Pro Phe Asp Ala
    130                 135                 140


Phe Thr Asp Leu Lys Asn Gly Ser Leu Phe Ala Phe Arg Gly Gln Tyr
145                 150                 155                 160


Cys Tyr Glu Leu Asp Glu Lys Ala Val Arg Pro Gly Tyr Pro Lys Leu
                165                 170                 175


Ile Arg Asp Val Trp Gly Ile Glu Gly Pro Ile Asp Ala Ala Phe Thr
            180                 185                 190


Arg Ile Asn Cys Gln Gly Lys Thr Tyr Leu Phe Lys Gly Ser Gln Tyr
        195                 200                 205
```

```
Trp Arg Phe Glu Asp Gly Val Leu Asp Pro Asp Tyr Pro Arg Asn Ile
    210                 215                 220

Ser Asp Gly Phe Asp Gly Ile Pro Asp Asn Val Asp Ala Ala Leu Ala
225                 230                 235                 240

Leu Pro Ala His Ser Tyr Ser Gly Arg Glu Arg Val Tyr Phe Phe Lys
                245                 250                 255

Gly Lys Gln Tyr Trp Glu Tyr Gln Phe Gln His Gln Pro Ser Gln Glu
            260                 265                 270

Glu Cys Glu Gly Ser Ser Leu Ser Ala Val Phe Glu His Phe Ala Met
        275                 280                 285

Met Gln Arg Asp Ser Trp Glu Asp Ile Phe Glu Leu Leu Phe Trp Gly
    290                 295                 300

Arg Thr Ser Ala Gly Thr Arg Gln Pro Gln Phe Ile Ser Arg Asp Trp
305                 310                 315                 320

His Gly Val Pro Gly Gln Val Asp Ala Ala Met Ala Gly Arg Ile Tyr
                325                 330                 335

Ile Ser Gly Met Ala Pro Arg Pro Ser Leu Ala Lys Lys Gln Arg Phe
            340                 345                 350

Arg His Arg Asn Arg Lys Gly Tyr Arg Ser Gln Arg Gly His Ser Arg
        355                 360                 365

Gly Arg Asn Gln Asn Ser Arg Arg Pro Ser Arg
    370                 375


<210>  3
<211>  459
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  amino acid fragment of 20-478 of human vitronectin

<400>  3

Asp Gln Glu Ser Cys Lys Gly Arg Cys Thr Glu Gly Phe Asn Val Asp
1               5                   10                  15

Lys Lys Cys Gln Cys Asp Glu Leu Cys Ser Tyr Tyr Gln Ser Cys Cys
            20                  25                  30

Thr Asp Tyr Thr Ala Glu Cys Lys Pro Gln Val Thr Arg Gly Asp Val
        35                  40                  45
```

```
Phe Thr Met Pro Glu Asp Glu Tyr Thr Val Tyr Asp Asp Gly Glu Glu
    50                  55                  60

Lys Asn Asn Ala Thr Val His Glu Gln Val Gly Gly Pro Ser Leu Thr
65                  70                  75                  80

Ser Asp Leu Gln Ala Gln Ser Lys Gly Asn Pro Glu Gln Thr Pro Val
                85                  90                  95

Leu Lys Pro Glu Glu Glu Ala Pro Ala Pro Glu Val Gly Ala Ser Lys
            100                 105                 110

Pro Glu Gly Ile Asp Ser Arg Pro Glu Thr Leu His Pro Gly Arg Pro
        115                 120                 125

Gln Pro Pro Ala Glu Glu Glu Leu Cys Ser Gly Lys Pro Phe Asp Ala
    130                 135                 140

Phe Thr Asp Leu Lys Asn Gly Ser Leu Phe Ala Phe Arg Gly Gln Tyr
145                 150                 155                 160

Cys Tyr Glu Leu Asp Glu Lys Ala Val Arg Pro Gly Tyr Pro Lys Leu
                165                 170                 175

Ile Arg Asp Val Trp Gly Ile Glu Gly Pro Ile Asp Ala Ala Phe Thr
            180                 185                 190

Arg Ile Asn Cys Gln Gly Lys Thr Tyr Leu Phe Lys Gly Ser Gln Tyr
        195                 200                 205

Trp Arg Phe Glu Asp Gly Val Leu Asp Pro Asp Tyr Pro Arg Asn Ile
    210                 215                 220

Ser Asp Gly Phe Asp Gly Ile Pro Asp Asn Val Asp Ala Ala Leu Ala
225                 230                 235                 240

Leu Pro Ala His Ser Tyr Ser Gly Arg Glu Arg Val Tyr Phe Phe Lys
                245                 250                 255

Gly Lys Gln Tyr Trp Glu Tyr Gln Phe Gln His Gln Pro Ser Gln Glu
            260                 265                 270

Glu Cys Glu Gly Ser Ser Leu Ser Ala Val Phe Glu His Phe Ala Met
        275                 280                 285

Met Gln Arg Asp Ser Trp Glu Asp Ile Phe Glu Leu Leu Phe Trp Gly
    290                 295                 300
```

```
Arg Thr Ser Ala Gly Thr Arg Gln Pro Gln Phe Ile Ser Arg Asp Trp
305                 310                 315                 320

His Gly Val Pro Gly Gln Val Asp Ala Ala Met Ala Gly Arg Ile Tyr
                325                 330                 335

Ile Ser Gly Met Ala Pro Arg Pro Ser Leu Ala Lys Lys Gln Arg Phe
            340                 345                 350

Arg His Arg Asn Arg Lys Gly Tyr Arg Ser Gln Arg Gly His Ser Arg
        355                 360                 365

Gly Arg Asn Gln Asn Ser Arg Arg Pro Ser Arg Ala Met Trp Leu Ser
    370                 375                 380

Leu Phe Ser Ser Glu Glu Ser Asn Leu Gly Ala Asn Asn Tyr Asp Asp
385                 390                 395                 400

Tyr Arg Met Asp Trp Leu Val Pro Ala Thr Cys Glu Pro Ile Gln Ser
                405                 410                 415

Val Phe Phe Phe Ser Gly Asp Lys Tyr Tyr Arg Val Asn Leu Arg Thr
            420                 425                 430

Arg Arg Val Asp Thr Val Asp Pro Pro Tyr Pro Arg Ser Ile Ala Gln
        435                 440                 445

Tyr Trp Leu Gly Cys Pro Ala Pro Gly His Leu
    450                 455
```