

SEQUENCE LISTING

<110> CureVac GmbH
 <120> Lyophilization of nucleic acids in lactate-containing solutions
 <130> CU01P082WO
 <160> 4
 <170> PatentIn version 3.5
 <210> 1
 <211> 1857
 <212> RNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: mRNA coding for Photinus pyralis luciferase: pCV19-Pp luc(GC)-muag-A70-C30
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 cccgcuggag gacgggaccg ccggcgagca gcuccacaag gccaugaagc gguacgcccu 120
 ggugccgggc acgaucgccu ucaccgacgc ccacaucgag gucgacauca ccuacgcgga 180
 guacuucgag augagcgugc gccuggccga ggccaugaag cgguacggcc ugaacaccaa 240
 ccaccggauc guggugugcu cggagaacag ccugcaguuc uucaugccgg ugcuggggcg 300
 ccucuucauc ggcguggccg ucgccccggc gaacgacauc uacaacgagc gggagcugcu 360
 gaacagcaug gggaucagcc agccgaccgu gguguucgug agcaagaagg gccugcagaa 420
 gauccugaac gugcagaaga agcugcccau cauccagaag aucaucauca uggacagcaa 480
 gaccgacuac cagggcuucc agucgaugua cacguucgug accagccacc ucccgccggg 540
 cuucaacgag uacgacuucg ucccggagag cuucgaccgg gacaagacca ucgcccugau 600
 caugaacagc agcggcagca ccggccugcc gaagggggug gccugccgc accggaccgc 660
 cugcgugcg c uucucgcacg cccgggaccc caucuucggc aaccagauca ucccggacac 720
 cgccauccug agcguggugc cguuccacca cggcuucggc auguucacga cccugggcu 780
 ccucaucugc ggcuuuccggg ugguccugau guaccgguuc gaggaggagc uguuccugcg 840
 gagccugcag gacuacaaga uccagagcgc gcugcucgug ccgaccugug ucagcuucuu 900
 cgccaagagc acccugaucg acaaguacga ccugucgaac cugcacgaga ucgccagcgg 960
 gggcgccccg cugagcaagg aggugggcca ggccguggcc aagcgguucc accucccg 1020
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 ggacgacaag ccgggcgccc ugggcaaggu ggucccgguu uucgaggcca agguggugga 1140
 ccuggacacc ggcaagacc ugggcgugaa ccagcggggc gagcugugcg ugcggggggc 1200
 gaugaucaug agcggcuacg ugaacaacc ggaggccacc aacgcccua ucgacaagga 1260
 cggcuggcug cacagcggcg acaucgccua cugggacgag gacgagcacu ucuucaucgu 1320
 cgaccggcug aagucgcuga ucaaguacaa gggcuaccag guggcgccgg ccgagcugga 1380
 gagcauccug cuccagcacc ccaacaucuu cgacgccggc guggccgggc ugccggacga 1440

cgacgccggc gagcugccgg ccgcgguggu ggugcuggag cacggcaaga ccaugacgga	1500
gaaggagauc gucgacuacg uggccagcca ggugaccacc gccaagaagc ugcggggcgg	1560
cgugguguuc guggacgagg ucccgaaggg ccugaccggg aagcucgacg cccggaagau	1620
ccgcgagauc cugaucaagg ccaagaaggg cggcaagauc gccguguaag acuaguuaa	1680
agacugacua gcccgauggg ccucccaacg ggcccuccuc ccuccuugc accgagauua	1740
auaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	1800
aaaaaaauuu cccccccccc cccccccccc cccccccccc ucuagacaau uggaauu	1857

<210> 2
 <211> 990
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: mRNA coding for human KLK3 (PSA): pCV19-HsKLK3(GC)-muag-A70C30

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cagcccuggc aggugcuggu ggccagccgc ggccggggcg ugugcggcgg cgugcuggug	180
cacccccagu gggugcugac cgccgccac ugcauccgga acaagagcgu cauccugcug	240
ggccggcaca gccuguucca ccccaggac accggccagg uguuccaggu gagccacagc	300
uucccccacc ccuguaacga caugagccuc cugaagaacc gguuccugcg gcccggcgac	360
gacagcagcc acgaccugau gcugcugcgg cugagcgagc ccgccgagcu gaccgacgcc	420
gugaagguga uggaccugcc gaccaggag cccgcccugg gcaccaccug cuacgccagc	480
ggcuggggga gcaucgagcc cgaggaguuc cucaccccca agaagcugca gugcguggac	540
cugcacguga ucagcaacga cgugugcgcc caggugcacc cccagaaggu gaccaaguuc	600
augcugugcg ccggccggug gaccggcggc aagagcaccu gcagcggcga cagcggcggc	660
ccccuggucu gcaacggcgu gcugcagggc aucaccagcu ggggcagcga gcccugcgcc	720
cugcccgagc gcccagccu guacaccaag guggugcacu accggaagug gaucaaggac	780
accaucgugg ccaacccgug accacuaguu auaagacuga cuagcccgau gggccuccca	840
acgggcccuc cuccccuccu ugcaccgaga uuaauaaaaa aaaaaaaaaa aaaaaaaaaa	900
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa auccccccc ccccccccc	960
cccccccccc cccucuagac aauggaauu	990

<210> 3
 <211> 13
 <212> RNA
 <213> Unknown

<220>
 <223> Description of sequence: Kozak sequence

<400> 3
gccgccacca ugg

13

<210> 4
<211> 15
<212> RNA
<213> Artificial

<220>
<223> Description of sequence: generic stabilizing sequence of the
formula (C/U)CCANxCCC(U/A)PyxUC(C/U)CC

<220>
<221> variation
<222> (1)..(1)
<223> /replace="cytosine"
/replace="uracile"

<220>
<221> misc_feature
<222> (1)..(1)
<223> nucleic acid = cytosine or uracil

<220>
<221> misc_feature
<222> (5)..(5)
<223> Nx = a, g, c or u or any other nucleic acid

<220>
<221> variation
<222> (5)..(5)
<223> /replace="cytosine"
/replace="uracile"
/replace="guanosine"
/replace="adenosine", or any other nucleic acid

<220>
<221> repeat_unit
<222> (5)..(5)
<223> x = any number

<220>
<221> misc_feature
<222> (9)..(9)
<223> nucleic acid = uracil or adenosine

<220>
<221> variation
<222> (9)..(9)
<223> /replace="uracile"
/replace="adenosine"

<220>
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<222> (10)..(10)
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<220>
<221> repeat_unit
<222> (10)..(10)
<223> x = any number

<220>
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<220>
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<222> (13)..(13)
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<220>
<221> variation
<222> (13)..(13)
<223> /replace="cytosine"
/replace="uracile"

<400> 4
nccanccnn ucnc

15