

SEQUENCE LISTING

<110> Siemens Healthcare Diagnostics Products GmbH
 <120> Neue Oberflächen-Protein-Mutante des Hepatitis B Virus HBV surface Antigen (HBsAg)
 <130> 2007/B008 - Ma 1292
 <140> DE 10 2007 062 962.3
 <141> 2007-12-21
 <160> 31
 <170> PatentIn version 3.3
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 ttcctatggg agtgggcctc agcccgtttc tcctggccca gtttactagt gccatttgtt 540
 cagtggttcg tagggctttc cccactgtt tggctttcag ttatatggat gatgtgggat 600
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 accaaacttt cggacggaaa ttgcacctgt attcccatcc catcatcctg ggctttcgga 180
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Met Glu Asn Ile Thr Ser Gly Phe Leu Gly Pro Leu Leu Val Leu Gln
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Ala Gly Phe Phe Leu Leu Thr Arg Ile Leu Thr Ile Pro Gln Ser Leu
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Asp Ser Trp Trp Thr Ser Leu Asn Phe Leu Gly Gly Thr Thr Val Cys
 35 40 45

Leu Gly Gln Asn Ser Gln Ser Pro Thr Ser Asn His Ser Pro Thr Ser
 50 55 60

Cys Pro Pro Thr Cys Pro Gly Tyr Arg Trp Met Cys Leu Arg Arg Phe
 65 70 75 80

Ile Ile Phe Leu Phe Ile Leu Leu Leu Cys Leu Ile Phe Leu Leu Val
 85 90 95

Leu Leu Asp Cys Gln Gly Met Leu Arg Val Cys Pro Leu Leu Pro Gly
 100 105 110

Ser Ser Thr Thr Ser Arg Gly Leu Cys Lys Thr Cys Thr Thr Pro Ala
 115 120 125

Gln Gly Thr Ser Met Tyr Pro Ser Cys Cys Cys Thr Lys Leu Ser Asp
 130 135 140

Gly Asn Cys Thr Cys Ile Pro Ile Pro Ser Ser Trp Ala Phe Gly Asn
 145 150 155 160

Phe Leu Trp Glu Trp Ala Ser Ala Arg Phe Ser Trp Pro Ser Leu Leu
 165 170 175

Val Pro Phe Val Gln Trp Phe Val Gly Leu Ser Pro Thr Val Trp Leu
 180 185 190

Ser Val Ile Trp Met Met Trp Tyr Trp Gly Pro Ser Leu Tyr Ser Ile
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Tyr Ile
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20 25 30

Ser Met Tyr Pro Ser Cys Cys Cys Thr Lys Leu Ser Asp Gly Asn Cys
35 40 45

Thr Cys Ile Pro Ile Pro Ser Ser Trp Ala Phe Gly Asn Phe Leu Trp
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Glu Trp Ala Ser Ala Arg Phe Ser Trp Pro Ser Leu Leu Val Pro Phe
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Val Gln Trp Phe Val Gly Leu Ser Pro Thr Val
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Cys Gln Gly Met Leu Arg Val Cys Pro Leu Leu Pro Gly Ser Ser Thr
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Thr Ser Arg Gly Leu Cys Lys Thr Cys Thr Thr Pro Ala Gln Gly Thr
20 25 30

Ser Met Tyr Pro Ser Cys Cys Cys Thr Lys Leu Ser Asp Gly Asn Cys
35 40 45

Thr Cys Ile Pro Ile Pro Ser Ser Trp Ala Phe Gly Asn Phe Leu Trp
50 55 60

Glu Trp Ala Ser Ala Arg Phe Ser Trp Pro Ser Leu Leu Val Pro Phe
65 70 75 80

Val

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<400> 6

Ser Thr Thr Ser Arg
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Thr Ser Arg Gly Leu
1 5

<210> 9
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Ser Arg Gly Leu Cys
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Arg Gly Leu Cys Lys
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Leu Cys Lys Thr Cys
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Trp Ala Phe Gly Asn
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Ala Phe Gly Asn Phe
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Phe Gly Asn Phe Leu
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Gly Asn Phe Leu Trp
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Asn Phe Leu Trp Glu
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<210> 18
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<210> 19
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<400> 19
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<210> 20
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<212> DNA
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<400> 20
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<210> 21
<211> 45
<212> DNA
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<400> 21
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<210> 22
<211> 81
<212> DNA
<213> Hepatitis B virus

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 tgttgctgta ccaaactttc g 81

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 <213> Hepatitis B virus

<400> 23
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<210> 24
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<400> 24
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<400> 25
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<210> 26
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<400> 26
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<400> 28
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<400> 30
gactcgtggg ggacttctct c 21

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<400> 31
tacagacttg gccc caata cc 22