

1161 WO SEQ LIST.txt
SEQUENCE LISTING

<110> LABORATOIRES SERONO SA

<120> THE PURO-DHFR QUADRIFUNCTIONAL MARKER AND ITS USE IN PROTEIN PRODUCTION

<130> 1161 WO/PCT

<150> EP 07109829.7

<151> 2007-06-07

<150> US 60/934,078

<151> 2007-06-11

<160> 16

<170> PatentIn version 3.1

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<211> 1158

<212> DNA

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<223> Fusion between DHFR and puromycin N-acetyl transferase

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<221> CDS

<222> (1)..(1155)

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<223> Fragment derived from puromycin N-acetyl transferase

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<221> misc_feature

<222> (598)..(1155)

<223> Fragment derived from DHFR

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Trp Val Ala Asp Asp Gly Ala Ala Val Ala Val Trp Thr Thr Pro Glu
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Phe Ser Ile Pro Glu Lys Asn Arg Pro Leu Lys Asp Arg Ile Asn Ile
 260 265 270

Val Leu Ser Arg Glu Leu Lys Glu Pro Pro Arg Gly Ala His Phe Leu
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Ala Lys Ser Leu Asp Asp Ala Leu Arg Leu Ile Glu Gln Pro Glu Leu
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Ala Ser Lys Val Asp Met Val Trp Ile Val Gly Gly Ser Ser Val Tyr
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 Arg Asp Asp Val Pro Arg Ala Val Arg Thr Leu Ala Ala Ala Phe Ala
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 Asp Tyr Pro Ala Thr Arg His Thr Val Asp Pro Asp Arg His Ile Glu
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 Arg Val Thr Glu Leu Gln Glu Leu Phe Leu Thr Arg Val Gly Leu Asp
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 Ile Gly Lys Val Trp Val Ala Asp Asp Gly Ala Ala Val Ala Val Trp
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 Thr Thr Pro Glu Ser Val Glu Ala Gly Ala Val Phe Ala Glu Ile Gly
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 ccg cgc atg gcc gag ttg agc ggt tcc cgg ctg gcc gcg cag caa cag 577
 Pro Arg Met Ala Glu Leu Ser Gly Ser Arg Leu Ala Ala Gln Gln Gln
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 Ser Ala Val Val Leu Pro Gly Val Glu Ala Ala Glu Arg Ala Gly Val
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Thr Arg His Thr Val Asp Pro Asp Arg His Ile Glu Arg Val Thr Glu
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Leu Gln Glu Leu Phe Leu Thr Arg Val Gly Leu Asp Ile Gly Lys Val
50 55 60

Trp Val Ala Asp Asp Gly Ala Ala Val Ala Val Trp Thr Thr Pro Glu
65 70 75 80

Ser Val Glu Ala Gly Ala Val Phe Ala Glu Ile Gly Pro Arg Met Ala
85 90 95

Glu Leu Ser Gly Ser Arg Leu Ala Ala Gln Gln Gln Met Glu Gly Leu
100 105 110

Leu Ala Pro His Arg Pro Lys Glu Pro Ala Trp Phe Leu Ala Thr Val
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Gly Val Ser Pro Asp His Gln Gly Lys Gly Leu Gly Ser Ala Val Val
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Leu Pro Gly Val Glu Ala Ala Glu Arg Ala Gly Val Pro Ala Phe Leu
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Lys Glu Pro Pro Arg Gly Ala His Phe Leu Ala Lys Ser Leu Asp Asp
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Pro Gly His Leu Arg Leu Phe Val Thr Arg Ile Met Gln Glu Phe Glu
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Ser Asp Thr Phe Phe Pro Glu Ile Asp Leu Gly Lys Tyr Lys Leu Leu
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