

<110> CJ CheilJedang Corporation

<120> A novel promoter and preparation method of L-amino acid using thereof

<130> OPA18460

<150> KR 10-2018-0028184

<151> 2018-03-09

<160> 9

<170> KoPatentIn 3.0

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<211> 44

<212> DNA

<213> Artificial Sequence

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<223> LDH promoter region

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<212> DNA

<213> Corynebacterium glutamicum

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gaaaagaaac tcgaaggcaa cgtcaaggac ttaaaccatg gtgtttgtgtg ggccgattcc 180

cgcacccgcg tactaaggga aacctacgct gactgcgaag acgcagccat ggttgtcatt 240

tgtgccggcg cagcccaaaa gccaggcgag accgcctcc agctgggtgga caaaaacgtc 300

aagattatga aatccatcgt cggcgatgtc atggacagcg gattcgacgg catcttcctc 360

gtggcgtcca acccagtgga tatcctgacc tacgcagtgt ggaaattctc cggcttggaa 420

tggaaccgcg tgatcggctc cggaactgtc ctggactccg ctagattccg ctacatgctc 480

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gacaccgaac ttccagtcct gtcctccgcg accatcgccg gcgtatcgct tagccgaatg 600

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gctgcctatc acattatcga cgccaagggc tccacttcct acggcatcgg catgggtctt 720

gctcgcatca cccgcgcaat cctacaaaac caagacgttg cagtcccagt ctctgcactg 780

ctccacggtg aatacgggtga ggaagacatc tacatcggca ccccagctgt ggtgaaccgc 840

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<212> PRT

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Val Gly Val Ala Tyr Ala Tyr Ala Leu Ile Asn Gln Gly Met Ala Asp
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His Leu Ala Ile Ile Asp Ile Asp Glu Lys Lys Leu Glu Gly Asn Val
35 40 45

Lys Asp Leu Asn His Gly Val Val Trp Ala Asp Ser Arg Thr Arg Val
50 55 60

Thr Lys Gly Thr Tyr Ala Asp Cys Glu Asp Ala Ala Met Val Val Ile
65 70 75 80

Cys Ala Gly Ala Ala Gln Lys Pro Gly Glu Thr Arg Leu Gln Leu Val
85 90 95

Asp Lys Asn Val Lys Ile Met Lys Ser Ile Val Gly Asp Val Met Asp
100 105 110

Ser Gly Phe Asp Gly Ile Phe Leu Val Ala Ser Asn Pro Val Asp Ile
115 120 125

Leu Thr Tyr Ala Val Trp Lys Phe Ser Gly Leu Glu Trp Asn Arg Val
130 135 140

Ile Gly Ser Gly Thr Val Leu Asp Ser Ala Arg Phe Arg Tyr Met Leu
145 150 155 160

Gly Glu Leu Tyr Glu Val Ala Pro Ser Ser Val His Ala Tyr Ile Ile
165 170 175

Gly Glu His Gly Asp Thr Glu Leu Pro Val Leu Ser Ser Ala Thr Ile
180 185 190

Ala Gly Val Ser Leu Ser Arg Met Leu Asp Lys Asp Pro Glu Leu Glu
195 200 205

Gly Arg Leu Glu Lys Ile Phe Glu Asp Thr Arg Asp Ala Ala Tyr His
210 215 220

Ile Ile Asp Ala Lys Gly Ser Thr Ser Tyr Gly Ile Gly Met Gly Leu
225 230 235 240

Ala Arg Ile Thr Arg Ala Ile Leu Gln Asn Gln Asp Val Ala Val Pro
245 250 255

Val Ser Ala Leu Leu His Gly Glu Tyr Gly Glu Glu Asp Ile Tyr Ile
260 265 270

Gly Thr Pro Ala Val Val Asn Arg Arg Gly Ile Arg Arg Val Val Glu
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Thr Leu Arg Glu Ile Gln Lys Gln Phe Phe
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