<110> CJ CheilJedang Corporation

<120> Novel adenylosuccinate synthetase and method for producing purine nucleotide using the same

<130> OPA18284

<150> 10-2018-0089855
<151> 2018-08-01

<160> 54

<170> KoPatentIn 3.0

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cacaccgttg tagtcggtgg cgaaaagtac gaactcaagc tgctgcccgc cggcatcctc 180

tccgaaaacg ccgtgccagt gctgggcaac ggcgtagtta tcaacctcga agcactcttt 240

gaggaaattg aaggcctcga agcccgcggc gctgatgctt cccgcttgcg tatttccgcc 300

aacgcgcacc tggttgcgcc ataccaccag accttagacc gcgtgcagga acgtttcttg 360

ggcaagcgcg cgattggcac caccggccgc ggtatcggcc agcttatgc cgacaaggtc 420

gcgcgcgtgg gagttcgcgt gcaagacatc ttcgacgaat ccatcctgcg tcagaaggtc 480

gaatccgcgc tggatatcaa aaaccagatg ctggtcaaaa tgtacaaccg caaggcgatt 540

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aacccaaccg ccggtggtgc atcggtaggc tctggcgtcg ggcctacccg catcacgcac 780

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

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Leu Gln Thr Thr Gly Gly Glu Val Gly Val Asn Thr Gly Arg Thr Arg
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Ile Gly Glu Ile Pro Ile Cys Val Ala Tyr Asp Val Asp Gly Glu Arg
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Phe Asp Glu Met Pro Leu Thr Gln Ser Gln Phe His His Ala Gln Pro
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Ile Tyr Glu Thr Met Pro Ala Trp Glu Glu Asp Ile Thr Gly Cys Thr
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Thr Phe Glu Glu Leu Pro Gln Lys Ala Gln Asp Tyr Val Leu Arg Leu
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gatggagacc gcctcgttgt cttcaaagac atgggcttgg tctcgaatat tttcgatgag        240

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cgtgacccgc acggtgtacg ccccttggtc attggccgct tggcgcaagg ctgggttgtt        660

gcttccgaaa cctgtgcgct ggatatcgtg ggcgcacagt ttatccgtga ggtagagccc        720

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gcccgggaat cgggcctgac atttgcgcac ggcttggtca aaaacgccta cgtgggtcga       1020
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<400> 11
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