

SEPSECS cDNA

Catalog Number: ATGD0048

PRODUCT INFORMATION

Catalog number

ATGD0048

Product type

cDNA

Species

Human

NCBI Accession No.

NP_058651.3

Alternative Names

LP, PCH2D, SLA, SLA/LP

mRNA Refseq

NM_016955.3

OMIM

613009

Chromosome location

4p15.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1506bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Hind III. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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SEPSECS, also known as SLA/LP autoantigen, catalyzes the final step of sec synthesis by converting O-phosphoseryl-tRNA (sec) to selenocysteinyl-tRNA (sec) using selenophosphate as the selenium donor. Also, this protein is considered a specific marker of autoimmune hepatitis.

DATA

Sequence nucleotides

ATGAACCGCG AGAGCTTCGC GCGGGGAGAG CGGCTGGTGT CGCCGGCTTA CGTGCGGCAG GGCTGTGAGG
 CCCGCCGCTC GCATGAGCAC CTCATACGGC TGCTTCTGGA GAAGGGCAAG TGTCCAGAGA ATGGCTGGGA
 TGAAAGTACA CTTGAACTCT TTTTACATGA ACTTGCAATC ATGGACAGCA ACAATTTCTT AGGCAATTGT
 GGTGTGGGAG AAAGGGAAGG GAGAGTGGCA TCCGCACTGG TTGCTCGTCG TCATTACAGG TTCATTCATG
 GCATTGGACG ATCCGGTGAT ATTTCTGCTG TGCAACCAA AGCTGCAGGC TCTAGCCTTT TGAACAAAAT
 TACCAATTCT TTGGTCCTGG ACATTATAAA GCTGGCTGGT GTCCATACAG TAGCCAAGTCT CTTTGTAGTT
 CCTATGGCAA CTGGTATGAG TCTAACTCTG TGTTTCTTAA CATTACGACA CAAAAGACCA AAGGCAAAGT
 ATATTATATG GCCACGAATA GACCAGAAGT CCTGCTTTAA ATCCATGATC ACTGCAGGTT TTGAGCCTGT
 GGTGATAGAA AATGTTTTGG AAGGTGACGA GCTGCGTACA GACCTGAAAG CAGTGGAGGC TAAAGTCCAG
 GAACTTGGGC CTGATTGCAT TCTGTGTATT CATTCTACTA CATCCTGTTT TGCTCCAAGG GTGCCTGATA
 GATTAGAAGA ACTGGCTGTG ATTTGTGCTA ATTATGACAT TCCACATATA GTTAATAATG CTTATGGAGT
 GCAGTCTTCA AAGTGTATGC ATCTCATTCA GCAGGGGGCT CGAGTTGGTA GAATAGATGC TTTTGTTCAG
 AGCTTGGACA AAAATTTTAT GGTTCAGTA GGTGGTGCTA TAATTGCTGG CTTTAATGAT TCATTCATTC
 AGGAAATCAG CAAGATGTAT CCAGGAAGAG CTTCAGCTTC ACCTTCTTTA GATGTCCTTA TTAATTTATT
 GTCACCTTGA TCAAATGGCT ATAAGAAGCT ACTAAAAGAA AGAAAGGAAA TGTTTTTATA TTTGTCCAAC
 CAAATAAAGA AGTTGTCAGA AGCCTACAAT GAAAGACTGT TGCATACACC TCACAATCCC ATATCTTTAG
 CTATGACACT TAAAACACTA GATGAACACC GTGACAAAGC TGCACTCAG CTTGGCTCGA TGCTTTTTAC
 CAGACAGGTT TCTGGAGCCA GGGTTGTGCC TCTTGGGTCC ATGCAAAGT TGAGTGGCTA TACTTTTACA
 GGCTTTATGT CACATACAAA TAATTACCCT TGTGCTTACC TCAATGCTGC ATCAGCCATC GGAATGAAGA
 TGCAGGATGT GGACCTGTTT ATAAAGAGAC TTGACAGGTG TTTAAAGGCA GTAAGAAAAG AACGAAGTAA
 AGAGAGTGAT GACAATTATG ACAAACACTGA AGATGTGGAT ATTGAAGAAA TGGCTTTAAA ACTAGATAAT
 GTACTTCTTG ACACATACCA GGATGCTTCT TCATGA

Transaction Sequence

MNRESFAAGE RLVSPAYVRQ GCEARRSHEH LIRLLLEKKG CPENGWDEST LELFLHELAI MDSNNFLGNC GVGEREGRVA
 SALVARRHYR FIHGIGRSGD ISAVQPKAAG SLLNKITNS LVLDIKLAG VHTVANCFV PMATGMSLTL CFLTLRHKRP
 KAKYIWPRI DQKSCFKSMI TAGFEPVIE NVLEGDELRT DLKAVEAKVQ ELGPDCILCI HSTTSCFAPR VPDRLEELAV
 ICANYDIPHI VNNAYGVQSS KCMHLIQQA RVGRIDAFVQ SLDKNFMVPV GGAIAGFND SFIQEISKMY PGRASAPSL
 DVLITLLSLG SNGYKLLKE RKEMFSYLSN QIKKLSEAYN ERLHTPHNP ISLAMTLKTL DEHRDKAVTQ LGSMLFTRQV
 SGARVVPLGS MQTVSGYTFR GFMSHTNNYP CAYLNAASAI GMKMQDVLDF IKRLDRCLKA VRKERSKESD DNYDKTEDVD
 IEEMALKLDN VLLDTYQDAS S