

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

SEPSECS cDNA

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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

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ATGAACCGCG AGAGCTTCGC GCGGGGAGAG CGGCTGGTGT CGCCGGCTTA CGTGCGGCAG GGCTGTGAGG
CCCGCCGCTC GCATGAGCAC CTCATACGGC TGCTTCTGGA GAAGGGCAAG TGTCAGAGA ATGGCTGGGA
TGAAAGTACA CTTGAACCTCT TTTTACATGA ACTTGCAATC ATGGACAGCA ACAATTTCTT AGGCAATTGT
GGTGTGGGAG AAAGGGAAGG GAGAGTGGCA TCCGCACTGG TTGCTCGTCG TCATTACAGG TTCATTCATG
GCATTGGACG ATCCGGTGAT ATTTCTGCTG TGCAACCAAA AGCTGCAGGC TCTAGCCTTT TGAACAAAAT
TACCAATTCT TTGGTCCTGG ACATTATAAA GCTGGCTGGT GTCCATACAG TAGCCAAGT CTTTGTAGTT
CCTATGGCAA CTGGTATGAG TCTAACTCTG TGTTTCTTAA CATTACGACA CAAAAGACCA AAGGCAAAGT
ATATTATATG GCCACGAATA GACCAGAAGT CCTGCTTTAA ATCCATGATC ACTGCAGGTT TTGAGCCTGT
GGTGATAGAA AATGTTTTGG AAGGTGACGA GCTGCGTACA GACCTGAAAG CAGTGGAGGC TAAAGTCCAG
GAACTGGGC 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 CTTAGCTTC ACCTTCTTTA GATGTCCTTA TTACTTTATT
GTCACCTTGA TCAAATGGCT ATAAGAAGCT ACTAAAAGAA AGAAAGGAAA TGTTTTCATA TTTGTCCAAC
CAAATAAAGA AGTTGTCAGA AGCCTACAAT GAAAGACTGT TGCATACACC TCACAATCCC ATATCTTTAG
CTATGACACT TAAACACTA GATGAACACC GTGACAAAGC TGCACTCAG CTTGGCTCGA TGCTTTTAC
CAGACAGGTT TCTGGAGCCA GGGTTGTGCC TCTGGGTCC ATGCAAAGT TGAGTGGCTA TACTTTCAGA
GGCTTTATGT CACATACAAA TAATTACCCT TGTGCTTACC TCAATGCTGC ATCAGCCATC GGAATGAAGA
TGCAGGATGT GGACCTGTTC ATAAAGAGAC TTGACAGGTG TTTAAAGGCA GTAAGAAAAG AACGAAGTAA
AGAGAGTGAT GACAATTATG ACAAAGTGA AGATGTGGAT ATTGAAGAAA TGGCTTTAAA ACTAGATAAT
GTACTTCTTG ACACATACCA GGATGCTTCT TCATGA
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Transaction Sequence

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MNRESFAAGE RLVSPAYVRQ GCEARRSHEH LIRLLEKKGK CPENGWDEST LELFLHELAI MDSNNFLGNC GVGEREGRVA
SALVARRHYR FIHGIGRSGD ISAVQPKAAG SLLNKITNS LVLDIKLAG VHTVANCFFV PMATGMSLTL CFLTLRHKRP
KAKYIWPRI DQKSCFKSMI TAGFEPVIE NVLEGDELRT DLKAVEAKVQ ELGPDILCI 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
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