

Product datasheet for **SC114127**

SEPSECS (NM_016955) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEPSECS (NM_016955) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEPSECS
Synonyms:	LP; PCH2D; SLA; SLA/LP
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016955, the custom clone sequence may differ by one or more nucleotides

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ATGAACCGCGAGAGCTTCGCGCGGGAGAGCGGCTGGTGTGCGCCGGCTTACGTGCGGCAGGGCTGTGAGG
CCC GCCGCTCGCATGAGCACCTCATACGGCTGCTTCTGGAGAAGGGCAAGTGTCCAGAGAATGGCTGGGA
TGAAGTACACTTGAACCTTTTTACATGAACTGCAATCATGGACAGCAACAATTTCTTAGGCAATTGT
GGTGTGGGAGAAAGGGAAGGGAGAGTGGCATCCGCACTGGTTGCTCGTCGTCATTACAGGTTCAATCATG
GCATTGGACGATCCGGTGATATTTCTGCTGTGCAACAAAAGCTGCAGGCTCTAGCCTTTGAACAAAAT
TACCAATTCCTTTGGTCTGGACATTATAAAGCTGGCTGGTGTCCATACAGTAGCCAAGTCTTTGTAGTT
CCTATGGCAACTGGTATGAGTCTAACTCTGTGTTTCTAACATTACGACAAAAAGCAAAAGGCAAAGT
ATATTATATGGCCACGAATAGACCAGAAGTCTGCTTTAAATCCATGATCACTGCAGTTTTGTAGCCTGT
GGTGATAGAAAATGTTTTGGAAGGTGACGAGCTGCGTACAGACCTGAAAGCAGTGGAGGCTAAAGTCCAG
GAACTGGGCCTGATTGCATTCTGTGATTCTACTACATCCTGTTTTGCTCCAAGGGTGCCTGATA
GATTAGAAGAAGTGGCTGTGATTTGTGCTAATTATGACATTCACATATAGTTAATAATGCTTATGGAGT
GCAGTCTTCAAAGTGTATGCATCTCATTACAGAGGGGCTCGAGTTGGTAGAATAGATGCTTTTGTTCAG
AGCTTGGACAAAAATTTATGGTCCAGTAGGTGGTGTCTATAATTGCTGGCTTTAATGATTCATTCTTC
AGGAAATCAGCAAGATGTATCCAGGAAGAGCTTCAGCTTACCTTCTTTAGATGTCCTTATTACTTTATT
GTCACTTGGATCAAATGGCTATAAAGAAGCTACTAAAAGAAAAGAAAGGAAATGTTTTCATATTTGTCCAAC
CAAATAAAGAAGTTGTCAGAAGCCTACAATGAAAGACTGTTGCATACACCTCACAATCCCATATCTTTAG
CTATGACACTTAAACACTAGATGAACACCGTGACAAAAGCTGCACTCAGCTTGGCTCGATGCTTTTTAC
CAGACAGGTTTCTGGAGCCAGGGTTGTGCCTCTTGGGTCCATGCAAACTGTGAGTGGCTATACTTTCAGA
GGCTTTATGTCACATACAAATAATTACCCTTGTGCTTACCTCAATGCTGCATCAGCCATCGGAATGAAGA
TGCAGGATGTGGACCTGTTATAAAGAGACTTGACAGGTGTTAAAGGCAGTAAGAAAAGAACGAAGTAA
AGAGAGTGATGACAATTATGACAAAAGTGAAGATGTGGATATTGAAGAAATGGCTTTAAACTAGATAAT
GTACTTCTTGACACATACCAGGATGCTTCTTCATGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016955 unedited GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTCGTGTGTCTGGCGTG TGGAGCTAGTGCTCCCGCTTATTCGCCACTGTCGCCACCCTGTGCATGAACCGGAGAGC TTCGGCGGGGAGAGCGGCTGGTGTGCGCCGGCTTACGTGCGGCAGGGCTGTGAGGCCCGC CGCTCGCATGAGCACCTCATACGGCTGCTTCTGGAGAAGGGCAAGTGTCCAGAGAATGGC TGGGATGAAAGTACACTTGAACCTTTTTACATGAACTTGCAATCATGGACAGCAACAAT TTCTTAGGCAATTGTGGTGTGGGAGAAAGGGAAGGGAGAGTGGCATCCGCACTGGTTGCT CGTCGTCAATTACAGGTTCAATTCATGGCATTGGACGATCCGGTGATATTTCTGCTGTGCAA CCAAAAGCTGCAGGCTCTAGCCTTTTGAACAAAATTACCAATTCTTTGGTCTGGACATT ATAAAGCTGGCTGGTGTCCATACAGTAGCCAAGTCTTTGTAGTTCCTATGGCAACTGGT ATGAGTCTAACTCTGTGTTTCTAACATTACGACACAAAAGACCAAAGGCAAAGTATATT ATATGGCCACGAATAGACCAGAAGTCTGCTTTAAATCCATGATCACTGCAGTTTTGAG CCTGTGGTGATAGAAAATGGTTTGAAGGTGACGAGCTGCGTACAGACCTGAAAGCAGTG GAGGCTAAAGTCCAGGAAGTGGCCTGATTGCATTCTGTGTATTCTACTACATCC TGTTNTGCTCCAAGGGTGCCTGATAGATANAAAGACTGGCTGTGATTNGTGCTANTATGA CATTCACATATAGNTAATATGCTTATGGAGTGCAGTCTTCAAGTGTATGCATCTCATCAG CAGGGGCTCGAGTGGTAGATGATGCTTTGTCAAGCTGNCANNATTTGGNTCGTAGN
Restriction Sites:	NotI-NotI
ACCN:	NM_016955
Insert Size:	4530 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_016955.1 , NP_058651.1
RefSeq Size:	1269 bp
RefSeq ORF:	1269 bp
Locus ID:	51091
UniProt ID:	Q9HD40
Cytogenetics:	4p15.2
Protein Pathways:	Aminoacyl-tRNA biosynthesis

Gene Summary:

The amino acid selenocysteine is the only amino acid that does not have its own tRNA synthetase. Instead, this amino acid is synthesized on its cognate tRNA in a three step process. The protein encoded by this gene catalyzes the third step in the process, the conversion of O-phosphoseryl-tRNA(Sec) to selenocysteinyl-tRNA(Sec).[provided by RefSeq, Mar 2011]