

Product datasheet for **TP750207**

SEPSECS (NM_016955) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of human Sep (O-phosphoserine) tRNA:Sec (selenocysteine) tRNA synthase, full length, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MHHHHHMDSD NNFLGNCGVG EREGRVASAL VARRHYRFIH GIGRSGDISA VQPKAAGSSL LNKITNSLVL DIIKLAGVHT VANCFVVPMA TGMSLTLCFL TLRHKRPKAK YIIWPRIDQK SCFKSMITAG FEPVVIENVL EGDELRTDLK AVEAKVQELG PDCILCIHST TSCFAPRVPD RLEELAVICA NYDIPHIVNN AYGVSQSSKCM HLIQQGARVG RIDAFVQSLD KNFMVPGGA IIAGFNDSFI QEISKMYPGR ASASPSLDVL ITLLSLGSNG YKKLLKERKE MFSYLSNQIK KLSEAYNERL LHTPHNPISL AMTLKTLDEH RDKAVTQLGS MLFTRQVSGA RVVPLGSMQT VSGYTFRGFM SHTNNYPCAY LNAASAIGMK MQDVDFIKR LDRCLKAVRK ERSKESDDNY DKTEDVDIEE MALKLDNVLL DTYQDASS
Tag:	N-His
Predicted MW:	49.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 1% sarkosyl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_058651
Locus ID:	51091
UniProt ID:	Q9HD40
Cytogenetics:	4p15.2
Synonyms:	LP; PCH2D; SLA; SLA/LP



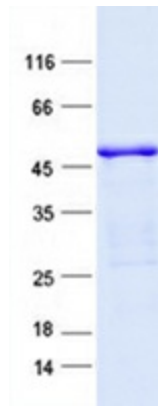
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Summary:

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]

Protein Pathways:

Aminoacyl-tRNA biosynthesis

Product images:

Purified recombinant protein SEPSECS was analyzed by SDS-PAGE gel and Coomossie Blue Staining.