

SEPSECS recombinant protein

SEPSECS, 1-501aa, Human, His tag, E Coli

CATALOG # AAA11804	HOST E Coli	APPLICATIONS SDS-Page
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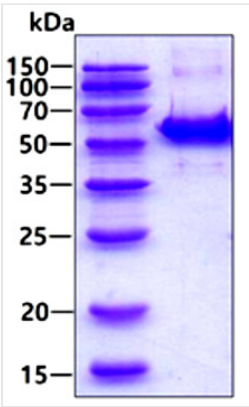
PRODUCT SYNONYMS

SEPSECS; 1-501aa; Human; His tag; E Coli; O-phosphoserine-tRNA(Sec) selenium transferase; Liver-pancreas antigen; LP; SLA-p35; SLA/LP autoantigen; Selenocysteine synthase; Sec synthase; Selenocysteinyl-tRNA(Sec) synthase; Sep-tRNA:Sec-tRNA synthase; SepSecS; Soluble liver antigen; SLA; UGA suppressor tRNA-associated protein; tRNA(Ser/Sec)-associated antigenic protein; TRNP48; SEPSECS recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.5) containing 40% glycerol, 0.15M NaCl, 1mM DTT.
Concentration	0.25mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSSLVPRGSH MNRESFAAGE RLVSPAYVRQ GCEARRSHEH LIRLLEKGK CPENGWDEST LELFLHELAI MDSNNFLGNC GVGEREGRVA SALVARRHYR FIHGIGRSGD ISAVQPKAAG SLLNKITNS LVLDIIKLAG VHTVANCEFVV PMATGMSLTL CFLTLRHKRP KAKYIIWPRI DQKSCFKSMI TAGFEPVVIE NVLEGDELRT DLKAVEAKVQ ELGPDCLICI HSTTSCFAPR VPDRLEELAV ICANYDIPHI VNNAYGVQSS KCMHLIQQGA RVGRIDAFVQ SLDKNFMVPV GGAIAGFND SFIQEISKMY PGRASASPSL DVLITLLSLG SNGYKLLKE RKEMFSYLSN QIKKLSEAYN ERLHHTPHNP ISLAMTLKTL DEHRDKAVTQ LGSMLFTRQV SGARVVPLGS MQTVSGYTFR GFMSHTNNYP CAYLNAASAI GMKMQDVDLF IKRLDRCLKA VRKERSKESD DNYDKTEDVD IEEMALKLDN VLLDTYQDAS S
Sequence Length	501
Applicable Applications for SEPSECS recombinant protein	SDS-PAGE
Tag	His-tag
Domain	1-501aa
Preparation and Storage	Can be stored at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for SEPSECS recombinant protein	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. Recombinant human SEPSECS protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for SEPSECS recombinant protein	Enzymes & Proteases
References	Palioura S., et al. (2009) Science. 325 (5938):321-5.; Yuan J.,et al. (2006) Proc. Natl. Acad. Sci. u.S.A. 103:18923-18927

NCBI AND UNIPROT INFORMATION

NCBI GI #	267844904
NCBI GeneID	51091
NCBI Accession #	NP_058651.3
NCBI GenBank Nucleotide #	NM_016955.3
UniProt Accession #	Q9HD40; Q0D2P3; Q17RT1; Q9NXZ5; Q9UGM9; Q9Y353; A8K8W1
Molecular Weight	57.9 kDa (521aa), confirmed by MALDI-TOF
NCBI Official Full Name	O-phosphoseryl-tRNA(Sec) selenium transferase
NCBI Official Synonym Full Names	Sep (O-phosphoserine) tRNA:Sec (selenocysteine) tRNA synthase
NCBI Official Symbol	SEPSECS
NCBI Official Synonym Symbols	LP; SLA; PCH2D; SLA/LP
NCBI Protein Information	O-phosphoseryl-tRNA(Sec) selenium transferase
UniProt Protein Name	O-phosphoseryl-tRNA(Sec) selenium transferase
UniProt Gene Name	SEPSECS
UniProt Synonym Gene Names	TRNP48; LP; Sec synthase; SepSecS; SLA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

