

SEPSECS, 1-501aa, Human, His tag, E.coli

Cat.NO.: TP03887

3th Edition

Synonyms:O-phosphoseryl-tRNA(Sec) selenium transferase, LP, SLA-p35, SLA/LP autoantigen, Sec synthase, SLA

Description: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.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT, 100mM NaCl

Molecular Weight:57.9kDa (521aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMNRESFAAGERLVSPAYVRQGCEARRSHEHLIRLLLEK GKCPENGWDESTLELF
LHELAIMDSNNFLGNCVGEREGRVASALVARRHYRFIHGIGRSGDISAVQPKAAGSSLLNKITNSLVLDIIKLAGVH
TVANCFVVPMTGMSLTLCFLTLRHKRPKAKYIIWPRIDQKSCFKSMITAGFEPVVIENVLEGDELRTDLKAVEAKVQ
ELGPDCLCIHSTTSCFAPRVPDRLEELAVICANYDIPHIVNNAYGVQSSKCMHLIQQGARVGRIDAFVQSLDKNFMV
PVGGAIIAGFNDSFIQEISKMYPGRASASPLDVLITLLSLGSNGYKLLKERKEMFSYLSNQIKKLSEAYNERLLHTP
HNPISLAMTLKTLDEHRDKAVTQLGSMLFTRQVSGARVVPLGSMQTVSGYTFRGFMSHTNNYPCAYLNAASAIGM
KMQDVDFIKRLDRCLKAVRKERSKESDDNYDKTEDVDIEEMALKLDNVLLDITYQDASS

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.