

SEPSECS Human

Description: SEPSECS produced in E.Coli is a single, non-glycosylated polypeptide chain containing 521 amino acids (1-501a.a.) and having a molecular mass of 57.9kDa. SEPSECS is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: ENPS-040

For research use only.

Synonyms: SLA, SLA/LP autoantigen, SLA-p35, Selenocysteinyl-tRNA(Sec) synthase, Selenocysteine synthase, Liver-pancreas antigen, Soluble liver antigen, Sec synthase, UGA suppressor tRNA-associated protein.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MNRESFAAGE RLVSPAYVRQ
GCEARRSHEH LIRLLLEK GK CPENGWDEST LELFLHELAI MDSNNFLGNC GVGEREGRVA
SALVARRHYR FIHGIGRSGD ISAVQPKAAG SLLNKITNS LVLDIKLAG VHTVANCFFV
PMATGMSLT L CFLTLRHKRP KAKYIWPRI DQKSCFKSMI TAGFEPVVE NVLEGDELRT
DLKAVEAKVQ EL

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The SEPSECS protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 1mM DTT, 100mM NaCl and 10% glycerol.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

SEPSECS catalyzes the last step of sec synthesis by way of converting O-phosphoseryl-tRNA(sec) to selenocysteinyl-tRNA(sec) using selenophosphate as the selenium donor. Furthermore, SEPSECS protein is considered a specific marker of autoimmune hepatitis.

Storage:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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