

## 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 VHTVANCFVV  
PMATGMSLTL CFLTLRHKRP KAKYIWPRI DQKSCFKSMI TAGFEPVVIE 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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