

## Recombinant Human SEPSECS Protein, His-tagged(N-Terminus)

**Cat. No.** SEPSECS-290H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SEPSECS Protein with His tag (N-Terminus) was expressed in E. coli.                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 1-501                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | 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] |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | > 90% (by SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications</b>     | MS, SDS-PAGE                                                                                                                                                                                                                                                                                                                                                            |
| <b>Notes</b>            | For laboratory research only, not for drug, diagnostic or other use.                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | Lyophilized protein should be stored at -20°C. For continuous use, store undiluted                                                                                                                                                                                                                                                                                      |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

protein at 4°C for up to 2-7 days. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. The protein solution should be gently mixed before use.

**Concentration** 0.5 mg/ml

**Storage Buffer** Tris-HCl buffer (pH 8.0), 10% Glycerol, 0.15M NaCl and 1mM DTT.

**Preservative** 10% Glycerol

## GENE INFORMATION

**Gene Name** SEPSECS Sep (O-phosphoserine) tRNA:Sec (selenocysteine) tRNA synthase [ Homo sapiens (human) ]

**Official Symbol** SEPSECS

**Synonyms** SEPSECS; Sep (O-phosphoserine) tRNA:Sec (selenocysteine) tRNA synthase; LP; SLA; SecS; PCH2D; SLA/LP; SLA-p35; O-phosphoseryl-tRNA(Sec) selenium transferase; SLA/LP autoantigen; UGA suppressor tRNA-associated protein; liver-pancreas antigen; soluble liver antigen; soluble liver antigen/liver pancreas antigen; tRNA(Ser/Sec)-associated antigenic protein; EC 2.9.1.2

**Gene ID** 51091

**mRNA Refseq** NM\_016955

**Protein Refseq** NP\_058651

**MIM** 613009

 Tel: 1-631-559-9269 1-516-512-3133

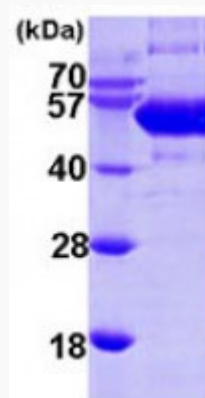
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

Q9HD40

SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA