

Recombinant Human SEPSECS 293 Cell Lysate

Cat. No. SEPSECS-1968HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for Sep (O-phosphoserine) tRNA:Sec (selenocysteine) tRNA synthase (SEPSECS), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

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

Official Symbol

SEPSECS

Synonyms

SEPSECS; Sep (O-phosphoserine) tRNA:Sec (selenocysteine) tRNA synthase; O-phosphoseryl-tRNA(Sec) selenium transferase; SLA; SLA/LP; soluble liver antigen/liver pancreas antigen; SLA-p35; SLA/LP autoantigen; soluble liver antigen; liver-pancreas antigen; UGA suppressor tRNA-associated protein; tRNA(Ser/Sec)-associated antigenic protein; LP; PCH2D; MGC161491; DKFZp434B1417;

Gene ID

51091

mRNA Refseq

NM_016955

Protein Refseq

NP_058651

MIM

613009

UniProt ID

Q9HD40

Chromosome Location

4p15.2

Pathway

Aminoacyl-tRNA biosynthesis, organism-specific biosystem; Aminoacyl-tRNA

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biosynthesis, conserved biosystem; Selenium Metabolism and Selenoproteins, organism-specific biosystem; Selenocompound metabolism, organism-specific biosystem; Selenocompound metabolism, conserved biosystem;

Function

peroxidase activity; pyridoxal phosphate binding; tRNA binding; transferase activity, transferring selenium-containing groups;

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