

Recombinant Human SEPHS1 protein, GST-tagged

Cat. No. SEPHS1-2579H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SEPHS1 protein(1-392 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-392 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MSTRESFNPESYELDKSFRLTRFTELKGTGCKVPQDVLQKLLES LQENHFQEDEQF LGAVMPRLGIGMDTCVIPLRHGGLSLVQTTDYIYPIVDDPYMMGRIACANVLS DLYA MGVTECDNMLMLLGVS NKMTDRERDKVMPLIIQGFKDAAEEAGTSVTGGQTVLNP WIVLGGVATTVCQPNEFIMPDNAVPGDVLVLT KPLGTQVAVAVHQWLDIPEKWNKIK LVVTQEDVELAYQEAMMNMARLNRTAAGLMHTFNAHAATDITGFGILGHAQNLAKQ QRNEVSFVIHNL PVLAKMAAVSKACGNMFGLMHGTCPETSGGLLICLPREQAARFC AEIKSPKYGEGHQAWIIGIVEKGNRTARIIDKPRIIEVAPQVATQNVNPTPGATS
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name [SEPHS1 selenophosphate synthetase 1 \[Homo sapiens \]](#)

Official Symbol [SEPHS1](#)

Synonyms SEPHS1; selenophosphate synthetase 1; selenide, water dikinase 1; SPS; SPS1; selenium donor protein 1; selenophosphate synthase 1; selenophosphate synthetase 1 +E9; selenophosphate synthetase 1 +E9a; selenophosphate synthetase 1 major; selenophosphate synthetase 1 delta E2; selenophosphate synthetase 1 delta E8; SELD; MGC4980;

Gene ID [22929](#)

mRNA Refseq [NM_001195602](#)

Protein Refseq [NP_001182531](#)

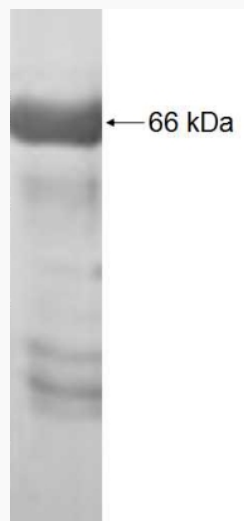
MIM [600902](#)

UniProt ID [P49903](#)

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SDS-PAGE

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