

Recombinant Human SEPHS2 protein, GST-tagged

Cat. No. SEPHS2-5644H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SEPHS2 protein(118-448 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	118-448 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	GMDSCVIPLRHGGLSLVQTTDFFYPLVEDPYMMGRIACANVLSPLYAMGITECDNML MLLSVSQSMSEEEEREKVTPLMVKGFRDAAEEGGTAVTGGQTVVNPWIIIGGVATVV CQPNEFIMPDSAVVGDVLVLTKPLGTQVAVNAHQWLDNPERWNKVKMVVSREEVE LAYQEAMFNMATLNRTAAGLMHTFNAHAATDITGFGILGHSQNLAKQQRNEVSFVIH NLPIIAKMAAVSKASGRFGLLQGTSAGLLICLPREQAARFCSEIKSSSKYGEHQ AWIVGIVEKGNRTARIIDKPRVIEVLPRGATAAVLAPDSSNASSEPS
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

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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 [SEPHS2 selenophosphate synthetase 2 \[Homo sapiens \]](#)

Official Symbol [SEPHS2](#)

Synonyms SEPHS2; selenophosphate synthetase 2; selenide, water dikinase 2; SPS2; selenium donor protein 2; selenophosphate synthase 2;

Gene ID [22928](#)

mRNA Refseq [NM_012248](#)

Protein Refseq [NP_036380](#)

MIM [606218](#)

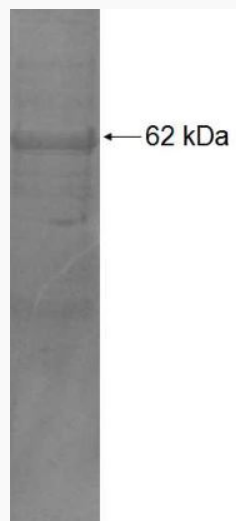
UniProt ID [Q99611](#)

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SDS-PAGE



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