

Recombinant Human SEPHS2 protein, His-tagged

Cat. No. SEPHS2-3342H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SEPHS2 protein(118-448 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	118-448 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	GMDSCVIPLRHGGLSLVQTTDFFYPLVEDPYMMGRIACANVLSDLYAMGITECDNML MLLSVSQSMSEEREKVTPLMVKGFRDAAEEGGTAVTGGQTVVNPWIIIGGVATVV CQPNEFIMPDSAVVGDVLVLTKPLGTQVAVNAHQWLDNPERWNKVKMVVSREEVE LAYQEAMFNMATLNRTAAGLMHTFNAAHAATDITGFGILGHSQNLAKQQRNEVSFVIH NLPIIAKMAAVSKASGRFGLLQGTS AETSGLLICLPREQAARFCSEIKSSKYGEGHQ AWIVGIVEKGNRTARIIDKPRVIEVLPRGATAAVLAPDSSNASSEPS
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw

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cycles.

Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.

Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

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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