

Product datasheet for **TP309406M**

Selenophosphate synthetase 1 (SEPHS1) (NM_012247) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human selenophosphate synthetase 1 (SEPHS1), 100 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC209406 protein sequence
Red=Cloning site **Green**=Tags(s)

MSTRESFNPESEYELDKSFRRLTRFTELKGTGCKVPQDVLQKLLESQENHFQEDEQFLGAVMPRLGIGMDT
CVIPLRHGGLSLVQTTDYIPIVDDPYMMGRIACANVLSPLYAMGVTECDNMLMLLGVSNKMTDRERDKV
MPLIIQGFKDAEEAGTSVTGGQTVLNPWIVLGGVATTVCQPNEFIMPDNAVPGDVLVLTKPLGTQVAVA
VHQWLDIPEKWNKIKLVVTQEDVELAYQEAMMNMARLNRTAAGLMHTFNAAHAATDITGFGILGHAQNLAQ
QQRNEVSFVIHNLPLAKMAAVSKACGNMFLMHGTCPETSGLLIICLPREQAARFCAEIKSPKYGEGHQ
AWIIGIVEKGNRTARIIDKPRIIEVAPQVATQNVNPTPGATS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 42.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_036379](#)

Locus ID: 22929



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UniProt ID: [P49903](#)

RefSeq Size: 3275

Cytogenetics: 10p13

RefSeq ORF: 1176

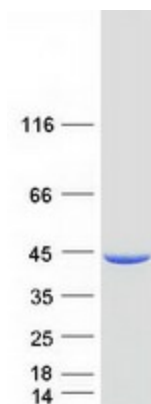
Synonyms: SELD; SPS; SPS1

Summary: This gene encodes an enzyme that synthesizes selenophosphate from selenide and ATP. Selenophosphate is the selenium donor used to synthesize selenocysteine, which is co-translationally incorporated into selenoproteins at in-frame UGA codons. [provided by RefSeq, Sep 2010]

Protein Families: Stem cell - Pluripotency

Protein Pathways: Metabolic pathways, Selenoamino acid metabolism

Product images:



Coomassie blue staining of purified SEPHS1 protein (Cat# [TP309406]). The protein was produced from HEK293T cells transfected with SEPHS1 cDNA clone (Cat# [RC209406]) using MegaTran 2.0 (Cat# [TT210002]).