

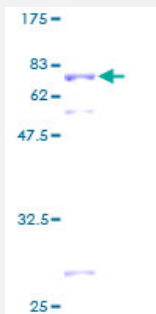
Full-Length

SEPHS1 (Human) Recombinant Protein (P01)

Catalog # H00022929-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SEPHS1 full-length ORF (AAH00941, 1 a.a. - 392 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSTRESFNPESEYELDKSFRLTRFTELKGTGCKVPQDVLQKLLESLQENHFQEDEQFLGAVMPRL
GIGMDTCVIPLRHGGLSLVQTTDYYPVDDPYMMGRIACANVLSPLYAMGVTECDNMLMLLGVS
N KMTDRERDKVMPLIQGFKDAAEEAGTSVTGGQTVLNPWVLGGVATTVCQPNEFIMPDNAVPGD
VLVLTKPLGTQVAVAVHQWLDIPEKWNKIKLVVTQEDVELAYQEAMMNMARLNRTAAGLMHTFN
AHAATDITGFGILGHAQNLAKQQRNEVSFVIHNLPLVLAKMAAVSKACGNMFGLMHGTCPETSGGL
LICLPREQAARFCAEIKSPKYGEGHQAWIIGVEKGNRTARIIDKPRIIEVAPQVATQNVNPTPGATS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

68.86

Interspecies Antigen Sequence

Mouse (99); Rat (99)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SEPHS1

Entrez GeneID[22929](#)**GeneBank Accession#**[BC000941](#)**Protein Accession#**[AAH00941](#)**Gene Name**

SEPHS1

Gene Alias

MGC4980, SELD, SPS, SPS1

Gene Description

selenophosphate synthetase 1

Omim ID[600902](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This protein 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]

Other Designations

OTTHUMP00000019139|selenide, water dikinase 1|selenium donor protein|selenophosphate synthase

Pathway

- [Metabolic pathways](#)

- [Selenoamino acid metabolism](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)