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Datasheet for ABIN7319000 SEPHS1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	SEPHS1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEPHS1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SEPHS1 Protein (His Tag)
Sequence:	Met 1-Ser392
Characteristics:	Recombinant Human Selenophosphate synthase is produced by our Mammalian expression system and the target gene encoding Met1-Ser392 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SEPHS1
Alternative Name:	SEPHS1 (SEPHS1 Products)
Background:	Background: Selenophosphate synthetase 1 (SEPHS1) belongs to the selenophosphate synthase 1 family, Class II subfamily. It has four different isoforms by alternative splicing.

Target Details

Isoform 1 and isoform 2 are gradually expressed during the cell cycle until G2/M phase and then decreased, which Isoform 3 is gradually expressed during the cell cycle until S phase and then decreased. SEPHS1 can be activated by phosphate ions and by potassium ions. It can synthesize 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.

Synonym: Selenide, water dikinase 1,Selenium donor protein 1,Selenophosphate synthase 1,SEPHS1,SELD, SPS, SPS1

Molecular Weight: 43.9 kDa

UniProt: [P49903](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 25 mM Tris.HCl, pH 7.3,100 mM glycine,10 % glycerol.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.