

Recombinant Human Selenophosphate Synthase 1/SEPHS1 Protein(C-6His)

Cat.NO.: TP06110

3th Edition

Synonyms:Selenide; water dikinase 1;Selenium donor protein 1;Selenophosphate synthase 1;SEPHS1;SELD; SPS; SPS1

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

Form:PBS

Molecular Weight:43.9 kDa

Sequences:Met 1-Ser392

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.