

32-8471: Recombinant Human Selenophosphate Synthase 1/SEPHS1 (C-6His)

Gene : SEPHS1

Gene ID : 22929

Uniprot ID : P49903

Description

Source: Human Cells.

MW :43.9kD.

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. 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.

Product Info

Amount : 10 µg / 50 µg

Content : Supplied as a 0.2 µm filtered solution of 25mM Tris.HCl,pH7.3,100mM glycine,10% glycerol.

Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

Amino Acid : MSTRESFNPESEYELDKSFRLTRFTELKGTGCKVPQDVLQKLLLESLQENHFQEDEQFLGAVMPRLGIGMDTCVIP
LRHGGLSLVQTTDYIYPIVDDPYMMGRIACANVLSPLYAMGVTECDNMLMLLGVSNKMTDRERDKVMPLIIQG
FKDAAEEAGTSVTGGQTVLNPWIVLGGVATTVCQNEFIMPDPNAVPGDVLVLTPLGTQVAVAVHQWLDIPEK
WNKIKLVVTQEDVELAYQEAMNMARLNRTAAGLMHTFNAHAATDITFGILGHAQNLAKQQRNEVSFVIHN
LPVLAKMAAVSKACGNMFLMHGTCPETSGLLICLPREQAARFCAEIKSPKYGEGHQAWIIGIVEKGNRTARII
DKPRIIEVAPQVATQNVNPTPGATSVDDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.