



Recombinant Human Selenide, water dikinase 1 (SEPHS1)

Product Code	CSB-EP021015HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P49903
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	STRESFNPE SYELDKSFRL TRFTELKGTG CKVPQDVLQK LLESLQENHF QEDEQFLGAV MPRLGIGMDT CVIPLRHGGL SLVQTTDYIY PIVDDPYMMG RIACANVLSL LYAMGVTECD NMLMLLGVS N KMTDRERDKV MPLIIQGFKD AAEEAGTSVT GGQTVLNPWI VLGGVATTVC QPNEFIMPDN AVPGDVLVLT KPLGTQVAVA VHQWLDIPEK WNKIKLVVTQ EDVELAYQEA MMNMARLNRT AAGLMHTFNA HAATDITGFG ILGHAQNLAK QQRNEVSFVI HNLPLVAKMA AVSKACGNMF GLMHGTCPET SGGLLICLPR EQAARFCAEI KSPKYGEGHQ AWIIGIVEKG NRTARIIDKP RIIEVAPQVA TQNVNPTPGA TS
Source	E.coli
Target Names	SEPHS1
Protein Names	Recommended name: Selenide, water dikinase 1 EC= 2.7.9.3 Alternative name(s): Selenium donor protein 1 Selenophosphate synthase 1
Expression Region	2-392
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.