

Recombinant Human Selenide, water dikinase 1(SEPHS1)

Catalog No: #AP76904

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Package Size: #AP76904-1 20ug #AP76904-2 100ug #AP76904-3 1mg

Description

Product Name	Recombinant Human Selenide, water dikinase 1(SEPHS1)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-392Sequence Info:Full Length
Other Names	Selenium donor protein 1 Selenophosphate synthase 1
Accession No.	P49903
Uniprot	P49903
GeneID	22929;
Calculated MW	69.8 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	STRESFNPESEYELDKSFRLLTRFTELKGTGCKVPQDVLQKLLLESLQENHFQEDEQFLGAVMPRLGIGMDTCVIP LRHGGLSLVQTTDYIPIVDDPYMMGRIACANVLSDLYAMGVTECDNMLMLLGVSNKMTDRERDKVMPLIQGG FKDAAEEAGTSVTGGQTVLNPWIVLGGVATTVCQPNEFIMPDNVAVPGDVLVLTPLGTQVAVAVHQWLDIPEK WVKIKLVVTQEDVELAYQEAMMNARLNRTAAGLMHTFNAHAATDITGFGILGHAQNLAQQRNEVSFVIHNL PVLAKMAAVSKACGNMFGMLMHGTCPETSGLLICLPREQAARFCAEIKSPKYGEGHQAWIIGIVEKGNRTARII DKPRIIEVAPQVATQNVNPTPGATS
Formulation	Tris-based buffer50% glycerol
Storage	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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Synthesizes selenophosphate from selenide and ATP.

References

"Human selenophosphate synthetase 1 has five splice variants with unique interactions, subcellular localizations and expression patterns."

Kim J.Y., Lee K.H., Shim M.S., Shin H., Xu X.M., Carlson B.A., Hatfield D.L., Lee B.J.

Biochem. Biophys. Res. Commun. 397:53-58(2010)Research Topic:Cell Biology

Note: This product is for in vitro research use only