

## Recombinant Human SEPHS2 protein, His-tagged

Cat. No. SEPHS2-6443H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SEPHS2 protein(Q99611)(2-448aa(U60S)), fused with C-terminal His tag, was expressed in Yeast.                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                             |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 2-448aa(U60S)                                                                                                                                                                                                                                     |
| <b>Tag</b>              | C-His                                                                                                                                                                                                                                             |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                |
| <b>Molecular Mass</b>   | 48.2 kDa                                                                                                                                                                                                                                          |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                       |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                    |
| <b>Reconstitution</b>   | 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 |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

concentration) and aliquot for long-term storage at -20°C/-80°C.

#### AA Sequence

AEASATGACGEAMAAAEGSSGPAGLT LGRSFSNYRPFEPQALGLSPSWRLTGFSG  
 MKGSGCKVPQEALLKLLAGLTRPDVRPPLGRGLVGGQEEASQEAGLPAGAGPSPT  
 FPALGIGMDSCVIPLRHGGLSLVQTDDFFYPLVEDPYMMGRIACANVLSPLYAMGITE  
 CDNMLMLLSVSQSMSEEEEREKVTPLMVKGFRDAAEEGGTAVTGGQTVVNPWIIIGG  
 VATVVCQPNEFIMPDSAVVGDVLVLT KPLGTQVAVNAHQWLDNPERWNKVKMVVS  
 REEVELAYQEAMFNMATLNRTAAGLMHTFNHAHAATDITGFGILGHSQNLAKQQRNE  
 VSFVIHNLPIIAKMAAVSKASGRFGLLQGTSAETSGGLLICLPREQAARFCSEIKSSKY  
 GEGHQAWIVGIVEKGNRTARIIDKPRVIEVLPRGATAAVLAPDSSNASSEPSS

## GENE INFORMATION

**Gene Name** [SEPHS2 selenophosphate synthetase 2 \[ Homo sapiens \]](#)

**Official Symbol** [SEPHS2](#)

**Synonyms** SEPHS2; selenophosphate synthetase 2; selenide, water dikinase 2; SPS2; selenium donor protein 2; selenophosphate synthase 2;

**Gene ID** [22928](#)

**mRNA Refseq** [NM\\_012248](#)

**Protein Refseq** [NP\\_036380](#)

**MIM** [606218](#)

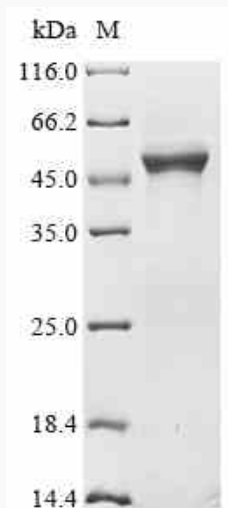
**UniProt ID** [Q99611](#)

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SDS-PAGE



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