

Product Data Sheet

Recombinant Human SEPHS1 Protein

Catalog #	Source	Reactivity	Applications
CRP2269	Human cells	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human SEPHS1 Protein is produced by mammalian expression system and the target gene encoding Met1-Ser392 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 25mM Tris-HCl, pH 7.3, 100mM glycine, 10% glycerol.		
Gene Symbol	SEPHS1		
Alternative Names	SELD; SPS; SPS1; Selenide water dikinase 1; Selenium donor protein 1; Selenophosphate synthase 1		
Entrez Gene	22929 (Human)		
SwissProt	P49903 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	MSTRESFNPE SYELDKSFRL TRFTELKGTG CKVPQDVLQK LLESLQENHF QEDEQFLGAV MPRLGIGMDT CVIPLRHGGL SLVQTDDYIY PIVDDPYMMG RIACANVLSD LYAMGVTECD NMLMLLGVS N KMTDRERDKV MPLIIQGFKD AAEEAGTSVT GGQTVLNPWI VLGGVATTVC QPNEFIMPDN AVPGDVLVLT KPLGTQVAVA VHQWLDIPEK WNKIKLVVTQ EDVELAYQEA MMNMARLNRT AAGLMHTFNA HAATDITGFG ILGHAQNLAK QQRNEVSFVI HNLPVLAKMA AVSKACGNMF GLMHGTCPET SGGLLICLP R EQAARFCAEI KSPKYGEGHQ AWIIGIVEKG NRTARIIDKP RIEVAPQVA TQNVNPTPGA TSVDHHHHHH		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Please aliquot		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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