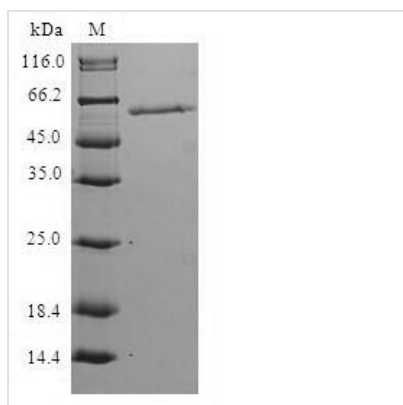




Recombinant Human Hermansky-Pudlak syndrome 1 protein (HPS1)

Product Code	CSB-EP856438HU
Relevance	Component of the BLOC-3 complex, a complex that acts as a guanine exchange factor (GEF) for RAB32 and RAB38, promotes the exchange of GDP to GTP, converting them from an inactive GDP-bound form into an active GTP-bound form. The BLOC-3 complex plays an important role in the control of melanin production and melanosome biogenesis and promotes the membrane localization of RAB32 and RAB38
Abbreviation	Recombinant Human HPS1 protein
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.
Uniprot No.	Q92902
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MKCVLVATEGAEVLFYWTDQEFEEESLRLKFGQSENEEEELPALEDQLSTLLAP VISSMTMLEKLSDTYTCFSTENGNFYVLHLFGECFLFIANGDHTSEGLRRK LYVLKYLFEVHFGLVTVDGHLIRKELRPPDLAQRVQLWEHFQSLLWTYSRLRE QEQCFAVEALERLIHPQLCELCIEALERHVIQAVNTSPERGGEELHAFLLVHS KLLAFYSSHSASSLRPADLLALILLVQDLYPSESTAEDDIQPSPRRARSSQNIPV QQAWSPHSTGPTGGSSAETETDSFSLPEEYFTPAPSPGDQSSGEDRRKAGG NNS
Research Area	Signal Transduction
Source	E.coli
Target Names	HPS1
Protein Names	Recommended name: Hermansky-Pudlak syndrome 1 protein
Expression Region	1-324aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	63.5kDa
Protein Length	Full Length of Isoform III
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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

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