Recombinant Human HPS1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HPS1-4535H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HPS1 MS Standard C13 and N15-labeled recombinant protein (NP_872577) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. The encoded protein is a component of three different protein complexes termed biogenesis of lysosome-related organelles complex (BLOC)-3, BLOC4, and BLOC5. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 1. Alternative splicing results in multiple transcript variants. A pseudogene related to this gene is located on chromosome 22.
Molecular Mass	36.3 kDa
AA Sequence	MKCVLVATEGAEVLFYWTDQEFEESLRLKFGQSENEEEELPALEDQLSTLLAPVIISS MTMLEKLSDTYTCFSTENGNFLYVLHLFGECLFIAINGDHTESEGDLRRKLYVLKYLF EVHFGLVTVDGHLIRKELRPPDLAQRVQLWEHFQSLLWTYSRLREQEQCFAVEALE RLIHPQLCELCIEALERHVIQAVNTSPERGGEEALHAFLLVHSKLLAFYSSHSASSLRP ADLLALILLVQDLYPSESTAEDDIQPSPRRARSSQNIPVQQAWSPHSTGPTGGSSAE TETDSFSLPEEYFTPAPSPGDQSSGEDRRKAGGNNSTRTRPLEQKLISEEDLAANDI

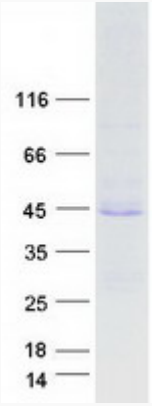
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	LDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	HPS1 Hermansky-Pudlak syndrome 1 [Homo sapiens (human)]
Official Symbol	HPS1
Synonyms	HPS1; Hermansky-Pudlak syndrome 1; Hermansky Pudlak syndrome, HPS; Hermansky-Pudlak syndrome 1 protein; Hermansky-Pudlak syndrome type 1; HPS; MGC5277;
Gene ID	3257
mRNA Refseq	NM_182639
Protein Refseq	NP_872577
MIM	604982

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	Q92902
SDS-PAGE	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA