

Product datasheet for TP313679

HPS1 (NM_182639) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Hermansky-Pudlak syndrome 1 (HPS1), transcript variant 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213679 representing NM_182639 Red =Cloning site Green =Tags(s)

MKCVLVATEGAEVLFYWTDQEFEEESLRKFGQSENEEEELPALEDQLSTLLAPVISSMTMLEKLSDTYT
CFSTENGNFYVLHLFGECFLIAINGDHTSEGLRRKLYVLKYLFEVHFGLVTVDGHLIRKELRPPDLA
QRVQLWEHFQSLWYTSRLREQEQCFAVEALERLIHPQLCEALERHVIQAVNTSPERGGEALHAF
LLVHSKLLAFYSSHSASSLRPADLLALILLVQDLYPSESTAEDDIQSPRRARSSQNIPVQQAWSPHSTG
PTGGSSAETETDSFSLPEEYFTPAPSPGDQSSGEDRRKAGGNS

TRTRPLE**QKLISEEDLA**AND**ILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	36.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_872577</u>
Locus ID:	3257



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UniProt ID: [Q92902](#)

RefSeq Size: 1625

Cytogenetics: 10q24.2

RefSeq ORF: 972

Synonyms: BLOC3S1; HPS

Summary: 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. [provided by RefSeq, Aug 2015]

Product images:



Coomassie blue staining of purified HPS1 protein (Cat# TP313679). The protein was produced from HEK293T cells transfected with HPS1 cDNA clone (Cat# [RC213679]) using MegaTran 2.0 (Cat# [TT210002]).