

Product datasheet for PH319526

HPS1 (NM_000195) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HPS1 MS Standard C13 and N15-labeled recombinant protein (NP_000186)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219526
Predicted MW:	79.1 kDa
Protein Sequence:	>RC219526 representing NM_000195 Red =Cloning site Green =Tags(s)

MKCVLVATEGAEVLFYWTDQEFEEESRLKFGQSENEEEELPALEDQLSTLLAPVVISSMTMLEKLSDTYT
 CFSSTENGFLYVLHLFGECLFIAINGDHTSEGLRRKLYVLKYLFEVHFGLVTVDGHLIRKELRPPDLA
 QRVQLWEHFQSLWLTYSRLREQEQCFAVEALERLIHPQLCELCIEALERHVIQAVNTSPERGEEALHAF
 LLVHSKLLAFYSSHSASSLRPADLLAILLVQDLYPSESTAEDDIQSPRRARSSQNIPVQQAWSPHSTG
 PTGGSSAETETDSFSLPEEYFTPAPSPGDQSSGSTIWLEGGTPPMDALQIAEDTLQTLVPHCPVPSGPRR
 IFLDANVKESYCPLVPHTMYCLPLWQGINLVLLTRSPSAPLALVLSQMDGFSMLEKKLKEGPEPGASLR
 SQPLVGDLRQRMDFVKNRGAQEIQSTWLEFKAKAFSKSEPGSSWELLQACGKLKRQLCAIYRLNFLT
 PSRGGPHLPQHLQDQVQRLMREKLTDWKDFLLVKSRRNITMVSYLEDFPGLVHFYVDRTTGQMVAPSLN
 CSQKTSSSELGKGPLAAAFVKTQVWLIQLARRYLQKGYTTLLFQEGDFYCSYFLWFENDMGYKLQMIQV
 LSSDSVPVIGMLGGDYRKLRLRYYSKNRPTEAVRCYELLALHLSVIPTDLLVQQAGQLARRLWEASRIPL

TRTRPLEEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000186</u>
RefSeq Size:	3714


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RefSeq ORF: 2100

Synonyms: BLOC3S1; HPS

Locus ID: 3257

UniProt ID: [Q92902](#), [Q658M9](#)

Cytogenetics: 10q24.2

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# [TP319526]). The protein was produced from HEK293T cells transfected with HPS1 cDNA clone (Cat# [RC219526]) using MegaTran 2.0 (Cat# [TT210002]).