

Product datasheet for PH311614

HPS5 (NM_007216) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HPS5 MS Standard C13 and N15-labeled recombinant protein (NP_009147)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211614
Predicted MW:	114.6 kDa
Protein Sequence:	>RC211614 representing NM_007216 Red=Cloning site Green=Tags(s)

MYVSSEHKGRRVTALCWDTAILRVFVGDHAGKVS AIKLNTSKQAKAAA FVMFPVQTITTV DSCVVQLDY
LDGRLL ISSL TRSFLCDTEREKFWKIGNKERDGEY GACFFPGRCSGGQQPLIYCARPGSRMWEVNF DGEV
ISTHQFKLLSLPPLPVITLRSEPQYDHTAGSSQSL SFPKLLHLSEHCVL TWTERGIYIFIPQNVQVLLW
SEVKDIQDVAVCRNELFCLHLNGKVSHLSLISVERCVERLLRRGLWNLAARTCCLFQNSVIASRARKLT
ADKLEHLKSQLDHGTYN DLISQMEELILKFEPLDSACSSRRSSISSHESFILD SGIYRIISSRRGSQSD
EDSCSLHSQTLSEDERFKEFTSQQEEDLPDQCCGSHGNEDNVSHAPVMFETDKNETFLPFGIPLPFRSPS
PLVSLQAVKESVSSFVRKTTEKIGTLHTSPDLKVRPELRGDEQSCEEDVSDTCPKEEDTEEEKEVTSP
PEEDRFQELKVATAEAMTKLQDPLVLFESL RMVLQEWL SHLEKTFAMKDFSGVSDTDNSMKLNQDVL
LVNESKKGILDEDNEKEKRD SLGNEESVDKTACECVRSPRESLDDL FQICSPCAIASGLRNDLAELTTLC
LELNVLNSKIKSTSGHVDHTLQQYSPEILACQFLK KYFFLLNLKRAKESIKLSYNSPSVWDTFIEGLKE
MASSNPVYMEMEKGDLPTR LKLLDDEVFDSPLL VVYATRLYEKFGESALRSLIKFFPSILPSDIIQLCH
HHPAEFLAYLDSL VKSRPEDQRSSFLESLLQPESLRLDWLL LAVSLDAPPSTSTMDEGYRPHSHLLSW
GYSQLILHLIKLPADFITKEKMTD ICRCGFWPGYLILCLELERRREAF TNIVYLNDSMLMEGDNGWIPE
TVEEWKLLHLIQSKSTRPAPQESLNGSLSDGSP INVENVALLLAKAMGPDRAW SLLQECGLALELSEK
FTRTCDILRIA EKQRALIQSMLEKCDRFLWSQQA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

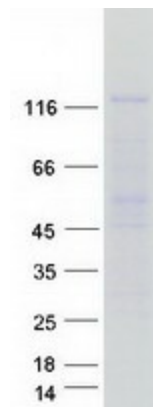
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.



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Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_009147
RefSeq Size:	4723
RefSeq ORF:	3045
Synonyms:	AIBP63; BLOC2S2
Locus ID:	11234
UniProt ID:	Q9UPZ3
Cytogenetics:	11p15.1
Summary:	This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. This protein interacts with Hermansky-Pudlak syndrome 6 protein and may interact with the cytoplasmic domain of integrin, alpha-3. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 5. Multiple transcript variants encoding two distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified HPS5 protein (Cat# [TP311614]). The protein was produced from HEK293T cells transfected with HPS5 cDNA clone (Cat# [RC211614]) using MegaTran 2.0 (Cat# [TT210002]).