

Product datasheet for TP311614

HPS5 (NM_007216) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Hermansky-Pudlak syndrome 5 (HPS5), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211614 representing NM_007216 Red=Cloning site Green=Tags(s)

MYVSSEHKGRRVTALCWDTAILRVFVGDHAGKVSAILNNTSKQAKAAAAFVMFPVQTITTVDSQVQLDY
LDGRLLISSLTRSFLCDTEREKFWKIGNKERDGEYGACFFPGRCGGQQLIYCARGSRMWEVNFDFGEV
ISTHQFKLLSLPPLPVITLRSEPQYDHTAGSSQSLSFPKLLHLSEHCVLWTWTERGIYIFIPQNVQVLLW
SEVKDIQDVAVCRNELFCLHLNGKVSHLSLISVERCVERLLRRGLWNLAARTCCLFQNSVIASRARKTLT
ADKLEHLKSQLDHGTYNDLISQMEELILKFEPLDSACSSRRSSISSHESFILDGSIYRIISSRRGSQSD
EDSCSLHSQTLSEDERFKEFTSQQEEDLPDQCCGSHGNEDNVSHAPVMFETDKNETFLPFGIPLPFRSPS
PLVSLQAVKESVSSFVRKTTEKIGTLHTSPDLKVRPELRGDEQSCCEEDVSSDTCPEEDTEEEKEVTSP
PEEDRFQELKVATAEAMTKLQDPLVLFESLRMVLQEWLSHLEKTFAMKDFSGVSDTDNSSMKLNQDVL
LVNESKKGILDEDNEKEKRDSLGNESVDKTACECVRSPRESLDDLFQICSPCAIASGLRNDLAELTTL
LELNVLSKIKSTSGHVDHTLQQYSPEILACQFLKKYFLLNLKRAKESIKLSYNSPSVWDTFIEGLKE
MASSNPVYMEMEKGDLPTRLKLLDDEVFDSPLLVVYATRLEYKFGESALRSLIKFFPSILPSDIIQLCH
HHPAEFLAYLDSLKSRPEDQRSSFLESLLQPESLRLDWLLAVSLDAPPSTSTMDDEGYPRPHSHLLSW
GYSQLLHLIKLPADFITKEKMTDICRSCGFWPGYLILCLELERRREAFTNIVYLNDMSLMEGDNGWIPE
TVEEWKLLHLIQSKSTRPAPQESLNGSLSDGSPINVENVALLAKAMGPDRAWSLQECGLALELSEK
FTRTCDILRIAIEKRQALIQSMLEKCDRFLWSQQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

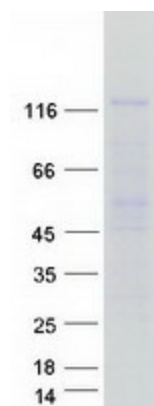
Tag:	C-Myc/DDK
Predicted MW:	114.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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:	NP_009147
Locus ID:	11234
UniProt ID:	Q9UPZ3
RefSeq Size:	4723
Cytogenetics:	11p15.1
RefSeq ORF:	3045
Synonyms:	AIBP63; BLOC2S2
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]).