

## Product datasheet for TP311614M

### 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, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211614 representing NM_007216 Red=Cloning site Green=Tags(s)

MYVSSEHKGRRVTALCWDTAILRVFVGDHAGKVSAILNNTSKQAKAAAAFVMFPVQTITTVDSQVQLDY  
LDGRLLISSLTRSFLCDTEREFWKIGNKERDGEYGACFFPGRCGGQQLIYCARGSRMWEVNFDFGEV  
ISTHQFKLLSLPPLPVITLRSEPQYDHTAGSSQSLFQKLLHLSEHCVLWTERGIYIFIPQNVQVLLW  
SEVKDIQDVAVCRNELFCLHLNGKVSHLSLISVERCVERLLRRGLWNLAARTCCLFQNSVIASRARKTLT  
ADKLEHLKSQLDHGTYNDLISQMEELILKFEPLDSACSSRRSSISSHESFILDGSIYRIISSRRGSQSD  
EDSCSLHSQTLSEDERFKEFTSQQEEDLPDQCCGSHGNEDNVSHAPVMFETDKNETFLPFGIPLPFRSPS  
PLVSLQAVKESVSSFVRKTTEKIGTLHTSPDLKVRPELRGDEQSCCEEDVSSDTCPEEDTEEEKEVTSP  
PEEDRFQELKVATAEAMTKLQDPLVLFESLRMVLQEWLHLEKTFAMKDFSGVSDTDNSSMKLNQDVL  
LVNESKKGILDEDNEKEKRDSLGNESVDKTACECVRSPRESLDDLFQICSPCAIASGLRNDLAELTTL  
LELNVLNSKIKSTSGHVDHTLQQYSPEILACQFLKYYFLLNLKRAKESIKLSYNSPSVWDTFIEGLKE  
MASSNPVYMEMEKGDLPTRLKLLDDEVFDSPLLVVYATRLEYKFGESALRSLIKFFPSILPSDIIQLCH  
HHPAEFLAYLDSLKSRPEDQRSSFLESLLQPESLRDLDWLLAVSLDAPPSTSTMDDEGYRPHSHLLSW  
GYSQLLHLIKLPADFITKEKMTDICRSCGFWPYGLILCLELERRREAFTNIVYLNDMSLMEGDNGWIPE  
TVEEWKLLLHLIQSKSTRPAPQESLNGSLSDGSPINVENVALLAKAMGPDRAWSLQECGLALELSEK  
FTRTCDILRIAIEKRQALIQSMLEKCDRFLWSQQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

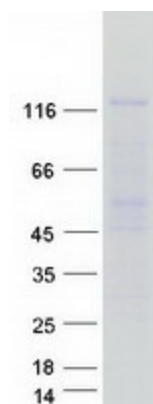
Tag:	C-Myc/DDK
Predicted MW:	114.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_009147</a>
<b>Locus ID:</b>	11234
<b>UniProt ID:</b>	<a href="#">Q9UPZ3</a>
<b>RefSeq Size:</b>	4723
<b>Cytogenetics:</b>	11p15.1
<b>RefSeq ORF:</b>	3045
<b>Synonyms:</b>	AIBP63; BLOC2S2
<b>Summary:</b>	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]).