

Product datasheet for **TP309000M**

HPS4 (NM_022081) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Hermansky-Pudlak syndrome 4 (HPS4), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209000 protein sequence Red=Cloning site Green=Tags(s)

MATSTSTEAKSASWWNYFFLYDGSVKKEEGDPTRAGICYFYPSQTLDDQQELLCGQIAGWRCVSDISDS
PPTLVRLRKLKFAIKVDGDYLVWLGCVELPDVSCRFLDQLVGGFFNFYNGPVSLEYENCSEELSTEW
TFIEQILKNTSDLHKIFNSLWNLDDQTKVEPLLLKAARILQTCQRSPHILAGCILYKGLIVSTQLP
AKVLLHRTAPQEQLPTGEDAPQEHGAALPPNVQIIPVFTKKEAISLHEFPVEQMTRSLASPAGLQDGS
AQHHPKGGSTSALKENATGHVESMAWTTDPDTPDEACPDGRKENGCLSGHDLESIRPAGLHNSARGEVL
GLSSSLGKELVFLQEELDLSEIHIPEAQEVEMASGHFAFLHVPVPDGRAPYCKASLSASSSLETPPEDT
AISSLRPPSAPEMLTQHGAQELEDHPGHSSQAPIPRADPLPRRTRRPLLLPRLDPGQRGNKLP
DEDVDGVCESHAAPGLECSSGSANCCGAGPSADGISSRLTPAESCMGLVRMNLTYHCVKGLVLSLLAE
LLGDSAAIEEVYHSSLASLNGLEVHLKETLPRDEAASSTSYNFTYYDRIQSLLMANLPQVATPHDRRFL
QAVSLMHSEFAQLPALYEMTVRNASTAVYACCNPIQETYFQQLAPAARSSGFPNPQDGAFLSLGKAKQKL
LKHGVNLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

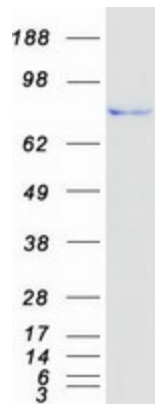
Tag:	C-Myc/DDK
Predicted MW:	76.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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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_071364
Locus ID:	89781
UniProt ID:	Q9NQG7 , A8K2E6 , Q6P1K3
RefSeq Size:	5161
Cytogenetics:	22q12.1
RefSeq ORF:	2124
Synonyms:	BLOC3S2; LE
Summary:	This gene encodes a protein component of biogenesis of lysosome-related organelles complexes (BLOC). BLOC complexes are important for the formation of endosomal-lysosomal organelles such as melanosomes and platelet dense granules. Mutations in this gene result in subtype 4 of Hermansky-Pudlak syndrome, a form of albinism. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]

Product images:



Coomassie blue staining of purified HPS4 protein (Cat# [TP309000]). The protein was produced from HEK293T cells transfected with HPS4 cDNA clone (Cat# [RC209000]) using MegaTran 2.0 (Cat# [TT210002]).