

Product datasheet for PH309000

HPS4 (NM_022081) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HPS4 MS Standard C13 and N15-labeled recombinant protein (NP_071364)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209000
Predicted MW:	77 kDa
Protein Sequence:	>RC209000 protein sequence Red=Cloning site Green=Tags(s)

MATSTSTEAKSASWNNYFFLYDGSKVKEEGDPTRAGICYFYPSQTLLDQQEELLCGQIAGVVRVSDISDS
PPTLVRLRKLKFAIKVDGDYLVWLGCAVELPDVSCRFLLDQLVGFNFYNGPVSLAYENCQSQEELSTEW
TFIEQILKNTSDLHKIFNSLWNLQTKVEPLLLLKAARILQTCQRSPHILAGCILYKGLIVSTQLPPLST
AKVLLHRTAPQEQLPTGEDAPQEHGAALPPNVQIIPVFTKKEAISLHEFPVEQMTRSLASPAGLQDGS
AQHHPKGGSTALKENATGHVESMAWTPDPTSPDEACPDGRKENGCLSGHDLESIRPAGLHNSARGEVL
GLSSSLGKELVFLQEELDLSEIHIPEAQEVEMASGHFAFLHVPVDPGRAPYCKASLSASSLEPTPPEDT
AIISSLRPPSAPPEMLTQHGAQEQLDHPGHSSQAPIPRADPLPRRTRRPLLLPRLDPGQRGNKLPTEQGL
DEDVDGVCESHAAPGLECSGSGSANCQGAGPSADGISSRLTPAESCMGLVRMNLVTHCVKGLVLSLLAEEP
LLGDSAAITEEVYHSSLASLNGLEVHLKETLPRDEAASTSTYNFTYYDRIQSLLMANLPQVATPHDRRFL
QAVSLMHSEFAQLPALYEMTVRNASTAVYACCNPIQETYFQQLAPAARSSGFPNPQDGFSLSGKAKQKL
LKHGYNLL

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_071364

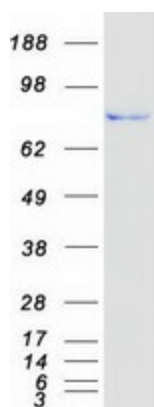


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RefSeq Size:	5161
RefSeq ORF:	2124
Synonyms:	BLOC3S2; LE
Locus ID:	89781
UniProt ID:	Q9NQG7 , A8K2E6 , Q6P1K3
Cytogenetics:	22q12.1

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]).