

Product datasheet for PH313679

HPS1 (NM_182639) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | HPS1 MS Standard C13 and N15-labeled recombinant protein (NP_872577) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC213679 |
| Predicted MW: | 36.3 kDa |
| Protein Sequence: | >RC213679 representing NM_182639 Red=Cloning site Green=Tags(s) |

MKCVLVATEGAEVLFYWTDQEFEEESLRLKFGQSENEEEELPALEDQLSTLLAPVVISSMTMLEKLSDTYT
CFSTENGNFYVLHLFGECLFIAINGDHTSEGDRLRRKLYVLKYLFEVHFGLVTVDGHLIRKELRPPDLA
QRVQLWEHFQSLWLTYSRLREQEQCFAVEALERLIHPQLCELCIEALERHVIQAVNTSPERGEEALHAF
LLVHSKLLAFYSSHSASSLRPADLLALILLVQDLYPSESTAEDDIQSPRRARSSQNIPVQQAWSPHSTG
PTGGSSAETETDSFSLPEEYFTPAPSPGDQSSGEDRRKAGGNNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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| 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. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | <u>NP_872577</u> |
| RefSeq Size: | 1625 |
| RefSeq ORF: | 972 |
| Synonyms: | BLOC3S1; HPS |
| Locus ID: | 3257 |



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UniProt ID: Q92902, A0A0S2Z3U9

Cytogenetics: 10q24.2

Summary: This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. The encoded protein is a component of three different protein complexes termed biogenesis of lysosome-related organelles complex (BLOC)-3, BLOC4, and BLOC5. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 1. Alternative splicing results in multiple transcript variants. A pseudogene related to this gene is located on chromosome 22. [provided by RefSeq, Aug 2015]

Product images:



Coomassie blue staining of purified HPS1 protein (Cat# [TP313679]). The protein was produced from HEK293T cells transfected with HPS1 cDNA clone (Cat# [RC213679]) using MegaTran 2.0 (Cat# [TT210002]).