

Product datasheet for PH307614

Vesicle docking protein p115 (USO1) (NM_003715) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	USO1 MS Standard C13 and N15-labeled recombinant protein (NP_003706)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207614
Predicted MW:	107.7 kDa
Protein Sequence:	>RC207614 representing NM_003715 Red=Cloning site Green=Tags(s)

MNFLRGVMGGQSAGPQHTAEAIQKLCDRVASSTLLDDRRNAVRALKSLSKYRLEVGIQAMEHLIHVLQ
TDRSDSEIIGYALDILYNIISNEEEEEVEENSTRQSEDLGSQFTEIFIKQQENVTLTLLSLEEFDFHVRW
PGVKLLTSLKQLGPVQQIILVSPMGVSRLMDLLADSREVIRNDGVLLQALTRSNGAIQKIVAFENAF
ERLLDIISEEGNSDGGIVVEDCLILLQNLKNNNSNQNFKEGSYIQRMKPWFEVGDENSGWSAQKVTNL
HLMLQLVRVLVSPTNPPGATSSCQKAMFQCGLLQQLCTILMATGVPADILTETINTVSEVIRGCQVNQDY
FASVNAPSNNPRPAIVLLMSMVNERQPFVLRCAVLYCFQCFLYKNQKQGEIVSTLLPSTIDATGNSVS
AGQLLCGGLFSTDLSNWCAVALAHALQENATQKEQLLRVQLATSIGNPPVSLQCTNLSQGSKIQT
RVGLLMLLCTWLSNCPAIVTHFLHNSANVPFLTGQIAENLGEELVQGLCALLLGI SIYFNDNSLESYM
KEKLLQLEKRIKGFIEKLGFIKSKHELYSRASQKQPNFSPPEYIMFDHEFTKLVKELEGVITKAIYK
SSEEDKKEEEVKKTELEQHDNIVTHYKNMIREQDLQLEELRQQVSTLKCQNEQLQTAVTQQVSIQQHKDQ
YNLLKIQLGKDNQHQGSYSEGAQMNGIQPEEIGRLREEIEELKRNQELLQSQLEKDSMIENMKSSQTS
TNEQSSAIVSARDSEQVAELKQELATLKSQNSQSVEITKLQTEKQELLQKTEAFKSVQGETETIIA
TKTTDVEGRLSALLQETKELKNEIKALSEERTAIKEQLDSSNSTIAILQTEKDKLELEITDSKKEQDILL
VLLADQDQKILSLKNKLDLGHVVEEEDLESGDQEDDEDESEDGPKDLDDHI

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- 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.



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RefSeq: [NP_003706](#)

RefSeq Size: 3998

RefSeq ORF: 2886

Synonyms: P115; TAP; VDP

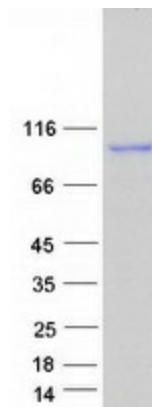
Locus ID: 8615

UniProt ID: [O60763](#)

Cytogenetics: 4q21.1

Summary: The protein encoded by this gene is a peripheral membrane protein which recycles between the cytosol and the Golgi apparatus during interphase. It is regulated by phosphorylation: dephosphorylated protein associates with the Golgi membrane and dissociates from the membrane upon phosphorylation. Ras-associated protein 1 recruits this protein to coat protein complex II (COPII) vesicles during budding from the endoplasmic reticulum, where it interacts with a set of COPII vesicle-associated SNAREs to form a cis-SNARE complex that promotes targeting to the Golgi apparatus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]

Product images:



Coomassie blue staining of purified USO1 protein (Cat# [TP307614]). The protein was produced from HEK293T cells transfected with USO1 cDNA clone (Cat# [RC207614]) using MegaTran 2.0 (Cat# [TT210002]).