

## Product datasheet for TP307614M

### Vesicle docking protein p115 (USO1) (NM\_003715) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human USO1 homolog, vesicle docking protein (yeast) (USO1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207614 representing NM_003715 Red=Cloning site Green=Tags(s)

MNFLRGVMGGQSAGPQHTEAETIQKLCDRVASSTLLDDRRNAVRALKSLSKRYRLEVGIQAMEHLIHVLQ  
TDRSDSEIIGYALDILYNIISNEEEEEVEENSTRQSEDLGSQFTEIFIKQQENVTLTLLSLLLEEDFHVVRW  
PGVKLLTSLKQLGPPVQQIILVSPMGVSRMLDLDLADSREVIRNDGVLLQALTRNGAIQKIVAFENAF  
ERLLDIIEEGNSDGGIVVEDCLILLQNLKNNNSNQNFKEGSYIQRMKPWFVGDENSGWSAQKVTNL  
HMLQLVRVLSPTNPPGATSSCQKAMFQCGLLQQLCTILMATGVPADILTETINTVSEVIRGCQVNQDY  
FASVNAPSNPPRPAIVLLMSMVNERQPFVLRCAVLYCFQCFLYKNQKGGQGEIVSTLLPSTIDATGNSVS  
AGQLLCGGLFSTDLSLNWCAVALAHALQENATQKEQLLRVQLATSIGNPPVSLQCTNLSQGSKIQT  
RVGLLMLLCTWLSNCPVAVTHFLHNSANVPFLTGGIAENLGEELVQGLCALLLGISYFNDNSLESYM  
KEKQKQIEKRIGKENFIEKLGFIKHELYSRASQKPPNPFSPPEYMFDFHEFTKLVKELEGVITKAIYK  
SSEEDKKEEEVKTLEQHDNIVTHYKNMIREQDLQLEELRQVSTLKCQNEQLQTAVTQQVSIQQHKDQ  
YNLLKIQLGKDNQHQSYSYSEGAQMNGIQPEEIGRLREEIEELKRNQELLQSQLTEKDSMIENMKSSQTSG  
TNEQSSAIVSARDSEQVAELKQELATLKSQNSQSVEITKLQTEKQELLQKTEAFKSVQGETETIIA  
TKTTDVEGRLSALLQETKELKNEIKALSEERTAIKEQLDSSNSTIAILQTEKDKLELEITDSKKEQDDLL  
VLLADQDQKILSLKNKLDLGHVPEEEDLESGDQEDDEDESEDPGKDLDDHI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

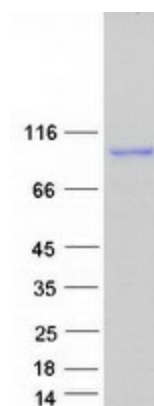
Tag:	C-Myc/DDK
Predicted MW:	107.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<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_003706</a>
<b>Locus ID:</b>	8615
<b>UniProt ID:</b>	<a href="#">O60763</a>
<b>RefSeq Size:</b>	3998
<b>Cytogenetics:</b>	4q21.1
<b>RefSeq ORF:</b>	2886
<b>Synonyms:</b>	P115; TAP; VDP
<b>Summary:</b>	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]).