

Recombinant Full Length Human USO1 Protein, C-Flag-tagged

Cat. No. USO1-1756HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human USO1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	107.7 kDa
AA Sequence	MNFLRGVMGGQSAGPQHTEAETIQKLCDRVASSTLLDDRRNAVRALKSLSKKYRLE VGIQAMEHLIHVLQ TDRSDSEIIGYALDILYNIISNEEEEEVEENSTRQSEDLG SQFTEI FIKQQENVTLTLLSLLEEFDFHVRW PGVKLLTSLLKQLGPQVQIILVSPMGVSRLMDL LADSREVIRNDGVLLLQALTRSNGAIQKIVAFENAF ERLLDIISEEGNSDGGIVVEDCL ILLQNLKNNNSNQNFKEGSYIQRMKPWFEVGDENSGWSAQKVTNL HLMLQLVR

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VLVSPTNPPGATSSCQKAMFQCGLLQQLCTILMATGVPADILTETINTVSEVIRGCQV
 NQDY FASVNAPSNPPRPAIVLLMSMVNERQPFVLRCAVLYCFQCFLYKNQKGQG
 EIVSTLLPSTIDATGNSVS AGQLLCGGLFSTDLSLNWCAVALAHALQENATQKEQL
 LRVQLATSIGNPPVSLLQQCTNILSQGSKIQT RVGLLMLLCTWLSNCPIAVTHFLHNS
 ANVPFLTGQIAENLGEEELVQGLCALLLGISYFNDNSLESYM KEKCLKLIEKRIGKE
 NFIEKLGFIKHELYSRASQKPQPNFPSPEYMIFDHEFTKLVELEGVITKAIYK SSEE
 DKKEEEVKKTLEQHDNIVTHYKNMIREQDLQLEELRQQVSTLKCQNEQLQTAVTQQ
 VSQIQQHKDQ YNLLKIQLGKDNQHQGSYSEGAQMNGIQPEEIGRLREEIEELKRNQ
 ELLQSQLTEKDSMIENMKSSQTSG TNEQSSAIVSARDSEQVAELKQELATLKSQNL
 SQSVEITKLQTEKQELLQKTEAFKSVQGETETIIA TKTTDVEGRLSALLQETKEL
 KNEIKALSEERTAIKEQLDSSNSTIAILQTEKDKLELEITDSKKEQDDLL
 VLLADQDQKILSLKNKLDLGHVPVEEEDLESQDQEDDEDESEDPGKDLDHITRTRP
 LEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

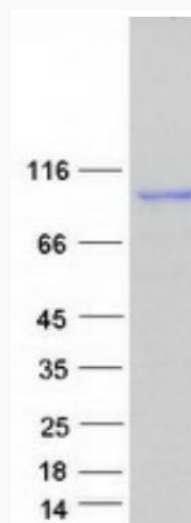
Gene Name USO1 USO1 vesicle transport factor [Homo sapiens (human)]

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Official Symbol	USO1
Synonyms	TAP; VDP; P115
Gene ID	8615
mRNA Refseq	NM_003715.4
Protein Refseq	NP_003706.2
MIM	603344
UniProt ID	O60763



Coomassie blue staining of purified USO1 protein.