

Recombinant Human USO1, His-tagged

Cat. No. USO1-31129TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 746-962 of Human Vesicle docking protein p115 with an N terminal His tag. Predicted mwt: 25 kDa;
Species	Human
Source	E.coli
ProteinLength	746-962 a.a.
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. Transport from the ER to the cis/medial Golgi compartments requires the action of this gene product, GM130 and giantin in a sequential manner.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 130 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	QELLQSQLTEKDSMIENMKSSQTSQTNEQSSAIVSARDSE QVAELKQELATLKSQ NSQSVEITKLQTEKQELLQKTE AFAKSVEVQGETETIIATKTTDVEGRLSALLQETKE LK NEIKALSEERTAIKEQLDSSNSTIAILQTEKDKLELEITD SKKEQDDLLVLLADQDQ KILSLKNKLKDLGHPVEEEDE LESGDQEDEDDESEDPGKDL DHI
Sequence Similarities	Belongs to the VDP/USO1/EDE1 family.Contains 10 ARM repeats.
GENE INFORMATION	
Gene Name	USO1 USO1 vesicle docking protein homolog (yeast) [Homo sapiens]
Official Symbol	USO1
Synonyms	USO1; USO1 vesicle docking protein homolog (yeast); USO1 homolog, vesicle docking protein (yeast); general vesicular transport factor p115; p115; TAP; transcytosis associated protein; VDP; vesicle docking protein;
Gene ID	8615
mRNA Refseq	NM_003715
Protein Refseq	NP_003706
MIM	603344
Uniprot ID	O60763
Chromosome Location	4q21.1

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Pathway	Arf1 pathway, organism-specific biosystem;
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Function	binding; protein transporter activity;
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