Recombinant Human USO1 Protein, His&GST-tagged

Cat. No. USO1-541H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human USO1 Protein (Met1-Leu171) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Leu171
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 49.4 kDa Accurate Molecular Mass: 50 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	USO1 USO1 vesicle transport factor [Homo sapiens (human)]
Official Symbol	USO1
Synonyms	USO1; USO1 vesicle transport factor; TAP; VDP; P115; general vesicular transport factor p115; USO1 vesicle docking protein homolog; transcytosis associated protein; vesicle docking protein p115
Gene ID	8615
mRNA Refseq	NM_003715
Protein Refseq	NP_003706
MIM	603344

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UniProt ID	O60763

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