

Recombinant Human USO1 Protein, His&GST-tagged

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

SPECIFICATION

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|-------------------------|---|
| 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 | <p>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.</p> |
| 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

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| 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

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