# Recombinant Mouse Uso1 Protein, His&GST-tagged

**Cat. No.** Uso1-555M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Mouse Uso1 Protein (Met1-Phe113) with N-His&GST tag was expressed in E. coli. |
| **Species** | Mouse |
| **Source** | E.coli |
| **ProteinLength** | Met1-Phe113 |
| **Description** | Acts upstream of or within several processes, including regulation of cellular response to insulin stimulus; secretory granule localization; and small GTPase mediated signal transduction. Located in cytosol and perinuclear region of cytoplasm. Is expressed in central nervous system and retina. Orthologous to human USO1 (USO1 vesicle transport factor). |
| **Form** | Freeze-dried powder |
| **Molecular Mass** | Predicted Molecular Mass: 42.7 kDa<br>Accurate Molecular Mass: 43 kDa |
| **Purity** | > 90% |
| **Applications** | Positive Control; Immunogen; SDS-PAGE; WB. |
| **Stability** | The thermal stability is described by the loss rate. The loss rate was determined by |

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| | 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 docking factor [ Mus musculus (house mouse) ] |
| **Official Symbol** | Uso1 |
| **Synonyms** | Uso1; USO1 vesicle docking factor; TAP; Vdp; 115kDa; general vesicular transport factor p115; USO1 homolog, vesicle docking protein; protein USO1 homolog; transcytosis associated protein p115; transcytosis-associated protein; vesicle docking protein, 115 kDa; vesicle-docking protein |
| **Gene ID** | 56041 |
| **mRNA Refseq** | NM_019490 |
| **Protein Refseq** | NP_062363 |
| **UniProt ID** | Q9Z1Z0 |

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