

Recombinant Mouse Aup1 Protein, His/GST-tagged

Cat. No. Aup1529M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Aup1(Val201~Glu410) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Val201~Glu410
Description	The protein encoded by this gene contains several conserved domains including a hydrophobic domain, an acetyltransferase domain, a ubiquitin binding domain, and a domain required for recruitment of ubiquitin-conjugating enzyme E2 G2 (Ube2g2). In humans, this protein localizes to the endoplasmic reticulum and to lipid droplets. This protein is thought to be involved both in the degradation of misfolded proteins from the endoplasmic reticulum and in the storage of neutral lipids. Reduced expression of the human ortholog of this gene strongly reduces lipid droplet clustering in the cell, and causes stabilization of misfolded proteins. Alternative splicing results in multiple transcript variants.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	53.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
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.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	Aup1 ancient ubiquitous protein 1 [Mus musculus]
Official Symbol	Aup1
Synonyms	AUP1; ancient ubiquitous protein 1; AA589454;
Gene ID	11993
mRNA Refseq	NM_007517
Protein Refseq	NP_031543

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