

Recombinant Human AUP1 Protein (Val201-Asp410), His tagged

Cat. No. AUP1-0705H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human AUP1 (Val201-Asp410) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val201-Asp410
Description	The protein encoded this gene is involved in several pathways including quality control of misfolded proteins in the endoplasmic reticulum and lipid droplet accumulation. Lipid droplets are organelles in the cytoplasm that store neutral lipids such as cholesterol esters and triglycerides to prevent the overabundance of free cholesterol and fatty acids in cells, but also to act as storage for other metabolic processes, such as membrane biogenesis. Reduced expression of this gene results in reduced lipid droplet clustering, a function that is dependent on ubiquitination of the protein. This protein contains multiple domains including a hydrophobic N-terminal domain, an acetyltransferase domain, a ubiquitin-binding CUE domain, and a UBE2B2-binding domain (G2BR). Alternative splicing results in multiple transcript variants.
Form	Lyophilized powder/frozen liquid
Molecular Mass	25.4 kDa

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Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	AUP1 ancient ubiquitous protein 1 [Homo sapiens (human)]
Official Symbol	AUP1
Synonyms	AUP1; AUP1 lipid droplet regulating VLDL assembly factor; lipid droplet-regulating VLDL assembly factor AUP1; ancient ubiquitous protein 1
Gene ID	550
mRNA Refseq	NM_181575
Protein Refseq	NP_853553
MIM	602434

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UniProt ID

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