

Product datasheet for MC215776

Aup1 (NM_007517) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Aup1 (NM_007517) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Aup1
 Synonyms: AA589454
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC215776 representing NM_007517
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAAAGACTCCGCCTTCCCAGGGGCCCCCGGGCCCTGCGAAGATGGCGGCGACAGCGGCCCGCT
 CTCCTGAAGCGGCTGCGATGGAACCTCCCCAGCTCCGGGCGGAGCGGCTCTTTGACTCGACCGGCT
 CCCGAGTGACGGCTTCTGCTGCTCGCGCTACTGCTCTACGCGCCGGTCGGCCTCTGCCTCTGGTCTG
 CGACTTTCCTCGGGCTCCACGTCTTCTGGTCAGCTGCGCTCTGCCCGACAGCGTCTCCCGAGTTCCG
 TGGTACGAACCATGTGTGCGGTCCTGGGCTCGTGGCCCGCAGGAGGACTCCGGACTCCCGCATACCCG
 CGTCAGGGTCTTATTTCCAACCACGTAACACCTTTTGACCACAACATAGTCAACCTCTCACCACTGT
 AGCACCCCTCTACTCAATAGTCCCCCAGCTTTGTGTGGTCTCGGGGCTTATGGAGATGGATAGGC
 GGGTGGAGTTGGTGGAGTCACTCAAGAAATCTGTGCTCCACGAGGCTTCCGCCACACCTTTGTGCT
 CTTCCCCGAGGAAGAGGCCCAATGGCCGAGAAGGGCTGCTGCGTTTCAGTTCTGTGGCCATTTCTATT
 CAGGACGTGGTACAACCTTTACCCTGCAAGTTCAGAGACCCCTGGTCTCTGTGACGGTGTGACAGTGCCT
 CCTGGGCTCAGAACTGCTGTGGTCCCTTTTGTCTTTTCCGTTTCAAGTAAGGTGGCTTCATCC
 CATTGCTCGACAGCTAGGGGAAGAGAGTGGAGTTCGCGTCCGTGTACAACAGCTGGTGGCCAAAGAA
 TTGGGCCAGATAGGGACACGGCTCACTCCAGCAGACAAAGCAGAACACATGAAGCGACAAAGACACCCCA
 GATTACGCCCCAGTCAGTGCAGTCTTCTTTCTCTCTCCAGCCCTTCTTCTGATGTGACAGTGCAC
 CACTCTCGCTCACAGAGTCAAGGAGTTCTGCCCCATGTGCCATTGAATGTATCCAGAGAGACCTGGCC
 AGGACTGGGTGTGAGACTTGACCATCACAAACCTGCTCGAGGGGGCTGTGGCTTTCATGCCTGAAGATG
 TCACTGAGGGATCTCAGTCCCCGCTGCACCTCTGCCCCAAAGTTCCCCAGCTCGGGCTGGCGACCC
 TCAGCCCACAGCCCTAACGTTTGCCAAGTCTTCTGGGCCGTGAGGAGCCTGCAGGAGCGCAAGCAG
 GCACTGTATGAATATGCAAGAAGGAGATTCAGAGAGAGACAGGCCAGGAGGCTGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_007517
Insert Size:	1320 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_007517.4</u> , <u>NP_031543.2</u>
RefSeq Size:	1659 bp
RefSeq ORF:	1233 bp
Locus ID:	11993
Cytogenetics:	6 35.94 cM
Gene Summary:	<p>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. [provided by RefSeq, Aug 2014]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>