

Product datasheet for MC218140

Aup1 (BC016485) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aup1 (BC016485) 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:	>BC016485 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAACCTCCCCAGCTCCGGGGCCGGAGCGGCTCTTTGACTCGCACCCGGCTCCCAGTGACGGCTTCC
TGCTGCTCGCGTACTGCTCTACGCGCCGGTCGGCCTCTGCCTCCTGGTCTCGACTCTTCTCCGGCT
CCACGTCTTCTGGTCACTGCGCTCTGCCGACAGCGTCTCCGAGGTTTCGTGGTACGAACCATGTGT
GCGGTCTGGGGCTCGTGGCCCGCAGGAGGACTCCGGACTCCGCGATCACCGCGTCAGGGTCTTATTT
CCAACCACGTAACACCTTTTGACCACAACATAGTCAACCTCCTCACACCTGTAGCACCCCTCTACTCAA
TAGTCCCCCAGCTTTGTGTGGTCTCGGGGCTTCAATGGAGATGGATAGGCGGGTGGAGTTGGTGGAG
TCACTCAAGAAATTCGTGCTTCCACGAGGCTTCCGCCACACCTTTGCTGCTCTTCCCCGAGGAAGAGG
CCACCAATGGCCGAGAAGGGCTGCTGCGTTTCAGTTCGTGGCCATTTTCTATTCAAGGACGTGGTACAACC
TCTTACCCTGCAAGTTCAGAGACCCCTGGTCTCTGTGACGGTGTGAGATGCCTCCTGGGTCTCAGAACTG
CTGTGGTCCCTTTTGTCCCTTTCACGGTGTATCAAGTAAGGTGGCTTCATCCCATTTCGTGACAGCTAG
GGGAAGAGAGTGAGGAGTTTGCCTCCGTGTACAACAGCTGGTGGCCAAAGAATTGGCCAGATAGGGAC
ACGGCTCACTCCAGCAGACAAAGCAGAACACATGAAGCGACAAAGACACCCAGATTACGCCCCAGTCA
GTGCACTTCTTTTCTCTCCTCCAGCCCTTCTTCTGATGTGACAGTGACCACTCTCGCTCACAGAG
TCAAGGAGTTTCTGCCCATGTGCCATTGAATGTCATCCAGAGAGACCTGGCCAGGACTGGGTGTGTAGA
CTTGACCATCACAACTGCTCGAGGGGGCTGTGGCTTTCATGCCTGAAGATGTCAGTGGAGGATCTCAG
TCCCCGCTGCACCCTCTGCCCAAAGTCCCCAGCTCGGGCTGGCGACCCCTCAGCCACAGCCCTAA
CGTTTGCCAAAGTCTTCTGGGCCGTGAGGAGCCTGCAGGAGCGCAAGCAGGCACTGTATGAATATGC
AAGAAGGAGATTCAGAGAGAGACAGGCCAGGAGGCTGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	BC016485
Insert Size:	1233 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:	BC016485 , AAH16485
RefSeq Size:	1454 bp
RefSeq ORF:	1232 bp
Locus ID:	11993
Cytogenetics:	6 35.94 cM
Gene Summary:	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]