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Product datasheet for MC225159

Atg2b (NM_029654) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atg2b (NM_029654) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atg2b
Synonyms:	2410024A21Rik; AI047755; AI503411; AW558123; C030004M05Rik; C630028L02Rik; mKIAA4067
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225159 representing NM_029654 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCCTTGGCCATTTTCAGAATCCATCAAGAAGAGGGCCTGTCGCTACCTCCTACAGAGGTACCTGGGCC ACTTCCTGCAGGAGAAGCTGAGCCTGGAGCAGCTGAGCCTGGATCTGTACCAGGGCACCGGGTCCCTTGC CCAGGTCCCCTTGGACAAATGGTGTCTCAATGAAATCCTGGAGTCAGCAGATGCACCATTAGAAGTCACT GAAGGATTTATTCAGTCCATTTCCCTGTCCGTCCCATGGGGCTCCTTGCTGCAGGACAACTGTGCCCTGG AAGTGAGAGGACTGGAGATGGTCTTCCGGCCTCGACCTCGAGTAGCAACTGGGTCCGAGCCTATGTACTG GTCAAGCTTCATGACCAGCAGTATGCAGCTGGCAAAGGAGTGCCTTAGCCAGAAACTGACAGATGAGCAA GGAGAGGCATCCCAACCTTTCGAGGGACTGGAAAAGTTTGCAGAAACCATCGAAACAGTACTAAGAAGAG TGAAAGTCACTTTTATAGATACTGTTTTAAGAATTGAACATGTGCCAGAAAATTCTAAAACTGGAGCTGC ACTTGAAATCCGAGTAGACAGGACCGTGTACTGTGACGAAACAGCCGACGAGTCCTCAGGAGTCAATGTG CATCAGCCCACAGCTTTTGCTCATAAATTGCTGCAGCTCTCTGGGGTGTCTCTGTTCTGGGATGAGTTTT CTGCTTCAGCAAAATCTTCCCCCGTGTGTTCAACTGCACCAGTGGAAACTGAGCCAAAGCTGTCACCTAG CTGGAACCCCAAAATTGTTTATGAGCCACACCCACAACTAACTAGAACGTTACCGGAGATCGCACCCTCG GATCCAGTGCAGATTGGAAGGCTACTGGGCAGGCTGGAGTTGAGTCTCACTTTAAAACAGAATGAAGTGC TTCCAGGAGCCAAGTTGGATGTCGATGGACAGATAGACTCCTTTCATCTATTCCTGTCACCGAGGCAGGT ACACCTCCTTCTGGATATGTTAGCAGCTATTGCTGGACCAGAAAATTCTAGCAAAATAGGGCTGGCTAAT AAAGACAGGAAAAATCGACCCATGCAGCAGGAAGATGAGTACAGAATTCAGATGGAATTAAACCGGTATT ATCTGAGGAAAGATTCCCTCTCTATGGGTGTGTCTTCTGAGAAGAGCTTCTATGAGACAGAAACAGCTCG TACACCTTCTAGCCGTGAGGAAGAAGTTTTCTTCTCCATGGCCGACATGGACATGTCTCACAGTCTGTCC TCTCTTCCACCCCTTGGGGACCCACCACACATGGACCTGGAGCTGTCGCTGACGAGTACATACACCAACA CACCCGCAGGGTCCCCGCTAAGCGCCACTGTGCTTCAGCCAACTTGGGGAGAGTTTGCCGACCACAAAGA ACAGCCAGTCAGAGGGCCAGCATTCCAGTCTGACGTGGTGCACCCGGCATCTTTACAAAAAGCTGCTCTC

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ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_029654

Insert Size: 6228 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:
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: NM_029654.4, NP_083930.5

RefSeq Size: 10173 bp

RefSeq ORF: 6228 bp

Locus ID: 76559

UniProt ID: Q80XK6

Cytogenetics: 12 E

Gene Summary: Required for both autophagosome formation and regulation of lipid droplet morphology and dispersion.[UniProtKB/Swiss-Prot Function]