

Product datasheet for **MC202134**

Aimp2 (NM_146165) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aimp2 (NM_146165) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aimp2
Synonyms:	AA407136; AA407225; Aimp2(p38); Jtv1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC024480 sequence for NM_146165
 CCCACGCGTCCGGCCAGCAGCAGAGTCAGAAAGAAGGCGGCTGCTGTCTGAGGTGGCCTTGGGTGGCTTC
 TGAGCGTTCCTGTCCCTCGCCCGCTACCTTCTTGGGTTCCACCATGCCGATGTACCAGGAAACATCCG
 AGCCTTCTTTGCAAGCCCTTGAATCTCGCCAAGATGATATTTTAAACGCTTGTATGAGTTGAAGGCAGC
 AGTCGATGGCCTTTCAAAGATGATTACACCCCAGATGCAGACTTGGACGTAACCAACATCCTGCAAGCT
 GATGAGCCACAACCTTTAGCCACAACACATTGGACTTGAATTCCGTGCTTGGAAAGGACTATGGGGCGC
 TGAAAGACATTGTGATCAACGCAAACCCAGCCTCCCCACCACTGTCCCTGCTTGTGCTGCACAGGCTGCT
 CTGTGAACGCTACAGGGTCTGTCCACTGTGCACACACATTTCGTCTGTCAAGAATGTGCCGAGAATCTT
 GTCAAGTGCTTCGGGGAGCAGGCTAGGAAGCAGTCCCACCAGAGTATCAGCTGGGCTTCACTCTGATTT
 GGAAGAATGTGCCAAGACACAGATGAAGTTCAGTGTACAAACCATGTGCCCATGAAGGAGAAGGGAA
 CATCGCACGTTTCTGTCTCTCTGTTTGGCCAGAAGCATAATGTGTCCACCTCACCTCATCGATAGC
 TGGGTGGATATCGCCATGTTTCAGCTTCGAGAAGGCAGCAGTAAAGAAAAAGCGCCGTGTTCCGCTCTA
 TGAACCTCCGCTTTGGGGAGGAGCCCGTGGCTGGTTGAAAATGAGCTCACTGTGGCAGATGTGGTGTGTG
 GTCTGTGCTCCAGCAGACTGGGGCAGCAGTGGGGCAGCACCCACCAATGTGCAGCGGTGGCTTAAGTCC
 TGTGAAAACCTGGCCCCCTTCAGCACTGCCCTTCAGCTCCTTAAGTGAATTCGAGCAGCTTGTCTTGCAG
 GGTTCACAGAAGAATGGTACGGCTTCCAGTCTGTTGTGCAAAAGGGACTTGTCCAATAAAGTACCATAT
 CATCTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_146165

Insert Size: 843 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).



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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>BC024480</u> , <u>AAH24480</u>
RefSeq Size:	1072 bp
RefSeq ORF:	843 bp
Locus ID:	231872
Cytogenetics:	5 G2
Gene Summary:	<p>Required for assembly and stability of the aminoacyl-tRNA synthase complex (PubMed:12060739). Mediates ubiquitination and degradation of FUBP1, a transcriptional activator of MYC, leading to MYC down-regulation which is required for aveolar type II cell differentiation (PubMed:12819782). Blocks MDM2-mediated ubiquitination and degradation of p53/TP53 (PubMed:18695251). Functions as a proapoptotic factor (PubMed:16135753). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The resulting isoform (2) lacks an internal segment near the N-terminus, compared to isoform 1.</p>