

Product datasheet for RN211303

Aimp2 (NM_001037348) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Aimp2 (NM_001037348) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Aimp2
 Synonyms: Jtv1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN211303 representing NM_001037348
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGATGTACCAGGTAAGCCCTATCATGGAGGCAGCGCACCTCTGCGTGTAGAGCTTCCAACCTGCA
 TGTACCGGCTCCCAACGTGCACAGCAAGACCACCAGCCCGCGACCGGGCCACGTGCAGGAGCC
 ATCTGAGCCATCTTTGCGAGCCCTCGAGTCTCGGCAGGATGATATTTAAAGCGTTTGTATGAGTTGAAG
 GCAGCAGTCGACGGCCTTTCAAAGATGATTCACACCCAGATGCCGACTTGGACGTACCAACATCCTGC
 AAGCCGACGAGCCACGACTTTAACTACAAATGCATTGGACTTGAACCTCCGTGCTTGAAAGGATTATGG
 GGCGCTGAAAGATATCGTGATCAACGAAACCCAGCCTCCCCGCCACTGTCCCTGCTTGTGCTACATAGA
 CTA CTCTGTGAACGCTACAGGGTCTGTCCACAGTACACACACATTTCGTCGTCGAAGATGTACCTGAGA
 ATCTTCTCAAGTGCTTCGGGGAGCAGGCTAGAAAAAGTCCCGCCACGAGTATCAGCTGGGCTTCACTCT
 GATTTGGAAGAAGCTGCCAAGACACAGATGAAGTTCAGTGTACAACGATGTGCCCATGAAGGAGAA
 GGGAACATCGCACGCTTCTGTTCTCTATTTGGTCAGAAGCATAACGCTGTCCACCTAACCCATCATCG
 ACAGCTGGGTGGATATCGCCATGTTTCAGCTGAGAGAAGGAGCAGTAAGGAAAAAGCGGCTGTTTTCCG
 CTCTATGAACTCCGCTTTGGGGAAAAGCCGTGGTTGGTTGGGAATGAGCTCACTGTGGCAGATGTGGTG
 CTGTGGTCCGTGCTCCAGCAGACTGGGGAAAGCAGTGGGGCAGCGCCACCAATGTGCAGCGGTGGCTTA
 AGTCCTGTGAGAACCTGGCCCCCTCAGCACTGCCCTCCAGCTCCTTAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001037348
 Insert Size: 963 bp



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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:	NM_001037348.1 , NP_001032425.1
RefSeq Size:	1130 bp
RefSeq ORF:	963 bp
Locus ID:	288480
UniProt ID:	Q32PX2
Cytogenetics:	12p11
Gene Summary:	Required for assembly and stability of the aminoacyl-tRNA synthase complex. 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. Blocks MDM2-mediated ubiquitination and degradation of p53/TP53. Functions as a proapoptotic factor. [UniProtKB/Swiss-Prot Function]