

Product datasheet for SC116211

AIMP2 (NM_006303) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AIMP2 (NM_006303) Human Untagged Clone
Tag:	Tag Free
Symbol:	AIMP2
Synonyms:	HLD17; JTV-1; JTV1; P38
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116211 sequence for NM_006303 edited (data generated by NextGen Sequencing)

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ATGCCGATGTACCAGGTAAGCCCTATCACGGGGCGGCGCCCTCTCCGTGTGGAGCTT
CCCACCTGCATGTACCGCTCCCAACGTGCACGGCAGGAGCTACGGCCAGCGCCGGC
GCTGGTCACGTGCAGGAAGAGTCTAACCTGTCTCTGCAAGCTCTTGAGTCCCGCCAAGAT
GATATTTTAAACGTCTGTATGAGTTGAAAGCTGCAGTTGATGGCCTCTCCAAGATGATT
CAAACACCAGATGCAGACTTGGATGTAACCAACATAATCCAAGCGGATGAGCCCACGACT
TTAACCACCAATGCGCTGGACTTGAATTCAGTGCTTGGGAAGGATTACGGGGCGCTGAAA
GACATCGTGATCAACGAAACCCGGCTCCCCTCCCCTCTCCCTGCTTGTGCTGCACAGG
CTGCTCTGTGAGCACTTCAGGGTCTGTCCACGGTGCACACGCACTCCTCGGTCAAGAGC
GTGCTGAAAACCTTCTCAAGTGCTTTGGAGAACAGAATAAAAAACAGCCCCGCAAGAC
TATCAGCTGGGATTCACCTTAATTTGGAAGAATGTGCCGAAGACGAGATGAAATTCAGC
ATCCAGACGATGTGCCCCATCGAAGGCGAAGGGAACATTGCACGTTTCTTGTCTCTCTG
TTTGGCCAGAAGCATAATGCTGTCAACGCAACCCTTATAGATAGCTGGGTAGATATTGCG
ATTTTTCAGTTAAAAGAGGGAAGCAGTAAAGAAAAAGCCGCTGTTTTCCGCTCCATGAAC
TCTGCTCTTGGGAAGAGCCCTTGGCTCGCTGGGAATGAACTCACCGTAGCAGACGTGGTG
CTGTGGTCTGTACTCCAGCAGATCGGAGGCTGCAGTGTGACAGTGCCAGCCAATGTGCAG
AGGTGGATGAGGCTTTGTGAAAACCTGGCTCCTTTTAAACGGCCCTCAAGCTCCTTAAG
TGA

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Clone variation with respect to NM_006303.3
126 c=>t



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006303 unedited ATATTTTGTATACGACTCACTATAGNNGCGGCCGCGCAATTCGGCACGAGGGTTGGCCT TTGGCAGCGCTACACCCCTTTTGGCTTTGGTTCTGCCATGCCGATGTACCAGGTAAAGCCC TATCACGGGGGCGGCGCGCTCTCCGTGTGGAGCTTCCCACCTGCATGTACCGGCTCCCC AACGTGCACGGCAGGAGCTACGGCCCAGCGCCGGGCGCTGGTACGTGCAGGAAGAGTCT AACCTGTCTCTGCAAGCTCTTGAGTCCCAGCAAGATGATATTTTAAAACGTCTGTATGAG TTGAAAGCTGCAGTTGATGGCCTCTCCAAGATGATTCAAACACCAGATGCAGACTTGGAT GTAACCAACATAATCCAAGCGGATGAGCCACGACTTTAACCAACATGCGCTGGACTTG AATTCAGTGCTTGGGAAGGATTACGGGGCGCTGAAAGACATCGTGATCAACGCAAACCCG GCCTCCCCTCCCCTCTCCCTGCTTGTGCTGCACAGGCTGCTCTGTGAGCACTTCAGGGTC CTGTCCACGGTGCACACGCACTCCTCGGTCAAGAGCGTGCCTGAAAACCTTCTCAAGTGC TTTGGAGAACAGAATAAAAAATGCCCGCCAAGACTATCAGCTGGGATTCACCTTAATT TGGAAGAATGTGCCAAGACGCAGATGAAATTCAGCATCCAGACGATGTGCCCCATCGAA GCGGAAAGGAACATTGCACGTTTCTTGTCTCTGTTTGGCCAGAAGCATATTGCTGTC AACGCAACCCCTTAGATAGCTGGGTAGATATTGCGATTTTTTCAGTTAAAAGAGGGAAGC AGTAAAGAAAAAGCCGCTGTTCTTCGCTCCAATGACTCTGCTCTTGGGACGAGCCTTGGC TCGCTGGCATGAACTCACCGTANCAGAAGTGTGCTGTGGTCTGTACTCCAACAGATCGG AGCTGCANGTTN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006303 unedited GCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTAATTACATGATGCTTTTATTGAC ACTTGACAACCTGGCCTAAATAAAAAGACTCTGACTCTAATACAAGTCCCCTTACTGATAA TAGGCATGAAAGAGCACCATTCTAAAAATCTAAACCCCTTAAAAATCAGTTACGGCAATTC ACTTAAGGAGCTTGAGGGCCGTGTTAAAAGGAGCCAGTTTTTACAAGACCTCATCCACC TCTGCACATTGGCTGGCACTGTCACACTGCAGCCTCCGATCTGCTGGAGTACAGACCACA GCACCAGTCTGCTACGGTGAGTTCATCCCAGCGAGCCAAGGGCTCTTCCAAGAGCAG AGTTTCATGGAGCGGAAAACAGCGGCTTTTTCTTTACTGCTTCCCCTTTTTAACTGAAAAA TCGCAATATCTACCCAGCTATCTATAAGGGTTGCGTTGACAGCATTATGCTTCTGGCCAA ACAGAGAGAACAAGAAACGTGCAATGTTCCCTTCGCCTTCGATGGGGCACATCGTCTGGA TGCTGAATTTTCATCTGCGTCTTCGGCACATTCTCCAAATTAAGTGAATCCCAGCTGAT AGTCTTGGCGNGCTGTTTTTATTCTGTTCTCCAAAGCACTTGAGAAGGTTTTTCAGGCA CGCTCTTGACCGAGGAGTGCCTGTCACCGTGGACAGGACCCTGAAGTGTCCACAGAGCA GCCTGTGCAGCACATNACGGGAAAGGGAGGGAGGCCGGGTTTGCCTTATCAGATGT CTTTCAGCGCCCCGTAATCCTTCCAAGCACTGAATCCAGTCCAGCGCATTGGTGGTTAA AGTCCGGGCTCATTGCTTGGATATGTTGGTAACATCAGTCTGCATCTGGGGTTGGATCA TCTGAAAGCCATCACTGCAGTTTCACTCTACGACGTTTTAAAATCATCTGGCGAACTCAG ACTGCAAGAA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_006303
Insert Size:	1280 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_006303.2](#), [NP_006294.2](#)

RefSeq Size: 1221 bp

RefSeq ORF: 963 bp

Locus ID: 7965

UniProt ID: [Q13155](#)

Cytogenetics: 7p22.1

Protein Families: Stem cell - Pluripotency

Gene Summary: The protein encoded by this gene is part of the aminoacyl-tRNA synthetase complex, which contains nine different aminoacyl-tRNA synthetases and three non-enzymatic factors. The encoded protein is one of the non-enzymatic factors and is required for assembly and stability of the complex. [provided by RefSeq, May 2016]
Transcript Variant: This variant (1) encodes the longest isoform (a).