

Product datasheet for **SC215215**

EMAP II (AIMP1) (NM_001142416) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	EMAP II (AIMP1) (NM_001142416) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	AIMP1
Synonyms:	EMAP2; EMAPII; HLD3; p43; SCYE1
ACCN:	NM_001142416
Insert Size:	1794 bp



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Insert Sequence: >SC215215 3'UTR clone of NM_001142416
 The sequence shown below is from the reference sequence of NM_001142416. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGCATCGCC
CAAACCATGAGCAACAGTGAATCAAATAAAATGCTTCCACTACCAAAGACATTAGAGAAAACCTTAA
AAGTAATAAAGAGAAATATATTTGTCACTTATACCTAAAATATGAGTGGCTCATTTTTGCATTACTCTC
TTCTAGACTTGACTAGTCATTTACTTGGTATATATTGTTTTATTGATTGGGAAACACTAGATTTTAA
CCTCGTTTTTGGATCATTATAATGGAGAGAGGAAGTTGCCTATGTTTTGAATAATTTATTTTTAGC
AGGAATATTGATTAGCAGCTTTTTTTTCTTATACACATAGATACTAACTAGATTAATGTTTAGTTTC
TTATTTGTAGGCACAGGATGCATGAAATTTCAAGCTCTGGGATTTTTGTATATTGTGTATCTGTATCA
AAAATATCCTCTCTTTTTCAAAAATGACAGGTTGAAAAATGTTTGTGAGACTTATTAAGTGCATATT
ATAATAACTGATAATGACCAACTGCTCATTCTGAAAGCCAACATAAAAGCTAGGAGAAGTGGCATC
TGAACATTTTTGCTTTGCTGCGCAGAGTAACCTGACTAATAATAACAATAACAGCAATTTTTTAAAAAA
CTGAGATTTCTACTGGCTTGAAGTTTTCTATTTAGCAAAAATAATTAGTAATAAGTTTTGACTAGGTC
TAAAGAATGAACACATTGTAACAGTTGCCACAGTAGTTTCTAATAAATTGATCATAAAAGCAGCTATC
CTTTTTTTTTTAAATCTAGCTTCTTTTTAAAGATTATTTGGGTACCTAATAAAGGATAATTTATATCT
TATTACAGACTGATATTTGCTTTTTTCAATGTGTCATCATACTGTCAGTATATTAAGAAATACAGCC
TAAACTTAACATATACCATACATATATTAAGGTGTCAAATAGCTATTCTCACTCATCTTACAAATA
TTGTAAGAGCAATAAAAAATTAATTGAGGAATTATAAGCCTACAGGTCATCAGCCTTGAGGTGATTACTG
ATGATTTGGGCTTACACACATGTCAGCAAGATAGGGAGTGTGGATAGGGGAGGGCTGGTAGCTAACAAAG
GGGCCTCACAGAGAAATATTAGTGACTTTAACCAGGTTTTCAGAATCTGGGCCTTACCTTTACAGGTTCA
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ACAAAACATTTTAGCATTATAGCTGTCTGAATCCTTCAATAAGAAGGAGAGGCACACACAAATACACAC
ACTCACACAAAACCAACAACCAATAAAACAACCCTGCATGTTATAAAAGGCAGAAATTAATTTTTATTTA
TTTTAAATCCATGGAACCTGGTAGGCCAGGATATATTATAGTACCATTATCAATGTGATATTCTGAAAA
TATGAAGTGAAGTCATTAACAATTGTTGGTACCTAAACACAAAATGAATTTCAAAGTTACTTTGTTC
TCAAGATATGTCATTCTTTGGGAATAAACTTCTGGTGACAAAGTCTTTTGTGAGTTTTTTGCTCTA
ATTTTTCTCAATTATATTAATTTCTTTAATATAATTTAAATAATTTCAACTACCTAGGTAGTTGAA
ATTTTCCAACTAAATGTTGAAACTGTACCCAGATCAAATTATCTAATGTTTTGTTAGTGAACCT
AAACTGATGATTAATCGTTTCATCAAACCTAGAGATAATAAAACTATTGGTCTTTTGTAAAAGCCCA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001142416.2](#)

Summary:

The protein encoded by this gene is a cytokine that is specifically induced by apoptosis, and it is involved in the control of angiogenesis, inflammation, and wound healing. The release of this cytokine renders the tumor-associated vasculature sensitive to tumor necrosis factor. The precursor protein is identical to the p43 subunit, which is associated with the multi-tRNA synthetase complex, and it modulates aminoacylation activity of tRNA synthetase in normal cells. This protein is also involved in the stimulation of inflammatory responses after proteolytic cleavage in tumor cells. Multiple transcript variants encoding different isoforms have been found for this gene. A pseudogene has been identified on chromosome 20. [provided by RefSeq, Dec 2008]

Locus ID:

9255

MW:

69.9