

Product datasheet for **SC119410**

Adrenomedullin (ADM) (NM_001124) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adrenomedullin (ADM) (NM_001124) Human Untagged Clone
Tag:	Tag Free
Symbol:	Adrenomedullin
Synonyms:	AM; PAMP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001124 edited
ATGAAGCTGGTTCCGTCGCCCTGATGTACCTGGGTTTCGCTCGCCTTCTAGGCGCTGAC
ACCGCTCGTTGGATGTCGCGTCGGAGTTTCGAAAGAAGTGGAATAAGTGGGCTCTGAGT
CGTGGGAAGAGGGAAGTGCAGGATGTCAGCAGCTACCCACCGGGCTCGCTGACGTGAAG
GCCGGGCTGCCAGACCCTTATTCGGCCCCAGGACATGAAGGGTGCCTCTCGAAGCCCC
GAAGACAGCAGTCCGGATGCCGCCGCATCCGAGTCAAGCGCTACCGCCAGAGCATGAAC
AACTTCCAGGGCCTCCGGAGCTTTGGCTGCCGCTTCGGGACGTGCACGGTGCAGAAGCTG
GCACACCAGATCTACCAGTTCACAGATAAGGACAAGGACAACGTCGCCCCCAGGAGCAAG
ATCAGCCCCCAGGGCTACGGCCCGGGCCGGCGCTCCCTGCCCGAGGCCGGCCCGGT
CGGACTCTGGTGTCTTCTAAGCCACAAGCACACGGGGCTCCAGCCCCCGAGTGAAGT
GCTCCCCACTTTCTTTAG



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001124 unedited NGTTCAAATTTGTATACGACTCACTATAGGCGGCCGCGATTTCGGCACGAGGAGACTTTCT CCTTCAGTACTTGGCAGATCACTCTCTTAGCAGGGTCTGCGCTTCGCAGCCGGGATGAAG CTGGTTTCCGTCGCCCTGATGTACCTGGGTTTCGCTCGCCTTCTAGGCGCTGACACCGCT CGGTTGGATGTCGCGTCGGAGTTTCGAAAGAAGTGAATAAGTGGGCTCTGAGTCGTGGG AAGAGGGAAGTGGGATGTCCAGCAGTACCCACCGGGCTCGCTGACGTGAAGGCCGGG CTTGCCAGACCCTTATTCGGCCCCAGGACATGAAGGGTGCCTCTCGAAGCCCCGAAGAC AGCAGTCCGGATGCCGCCGCATCCGAGTCAAGCGCTACCGCCAGAGCATGAACAATTTC CAGGGCTCCGGAGCTTTGGCTGCCGCTTCGGGACGTGCACGGTGCAGAAGCTGGCACAC CAGATCTACCAGTTCACAGATAAGGACAAGGACAACGTGCCCCCAGGAGCAAGATCAGC CCCCAGGGCTACGGCCGCCGGCCGGCGCTCCCTGCCGAGGCCGGCCCGGGTCCGGACT CTGGTGTCTTCTAAGCCACAAGCACACGGNGCTCCAGCCCCCGAGTGGAAAGTGTCCC CACTTTCTTTAGGATTTANGCGCCATGGTACAAGGAATAGTCGCGAAGCATCCCCTG GTGCTNCCGGGACGAAGACTTCCCGAGCGGGTGTGGGACCGGGCTCTGACAGCCCTG CGAGACCTGAGTCCGGNAGCACCGTNNCCGCGGAGCTCTGGCTTTCAGGGCCCTN CTCTGNGGGGCTCGCTTCTTACCTTTGCTCAGTGCAGTCCCCAGGGGGCGNGTGCANA AAATCCCAGTNTTCCAGCTTAAGGAGAGAGAACTGANAT
Restriction Sites:	NotI-NotI
ACCN:	NM_001124
Insert Size:	1650 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:	<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_001124.1 , NP_001115.1
RefSeq Size:	1449 bp
RefSeq ORF:	558 bp
Locus ID:	133
UniProt ID:	P35318
Cytogenetics:	11p15.4
Domains:	Adrenomedullin
Protein Families:	Druggable Genome, Secreted Protein

Gene Summary:

The protein encoded by this gene is a prehormone which is cleaved to form two biologically active peptides, adrenomedullin and proadrenomedullin N-terminal 20 peptide. Adrenomedullin is a 52 aa peptide with several functions, including vasodilation, regulation of hormone secretion, promotion of angiogenesis, and antimicrobial activity. The antimicrobial activity is antibacterial, as the peptide has been shown to kill *E. coli* and *S. aureus* at low concentration. [provided by RefSeq, Aug 2014]