

Product datasheet for **SC302740**

Archaemetzincin 2 (AMZ2) (NM_001033572) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Archaemetzincin 2 (AMZ2) (NM_001033572) Human Untagged Clone
Tag: Tag Free
Symbol: AMZ2
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001033572, the custom clone sequence may differ by one or more nucleotides

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ATGCAAATAATACGGCACTCCGAACAGACACTAAAAACAGCTCTCATCTCAAAGAACCCA  
GTGCTTGTATCACAGTATGAGAAATTAATGCTGGGGAACAACGTTAATGAATGAAGCC  
TTCCAGCCAGCCAGTGATCTCTTTGGACCCATTACCTTGCACTTCCATCAGATTGGATC  
ACCTCCCACCCTGAGGCTCCCCAAGACTTTGAACAGTTCTTCAGTGATCCTTACAGAAAG  
ACACCCCTCTCAAACAAACGCAGCATTTATACAGTCCATTGGCTCTCTAGGAAACACC  
AGAATTATCAGTGAAGAATATATTAATGGCTCACGGGCTACTGTAAAGCATATTTCTAT  
GGCTTGAGAGTAAAACCTCTAGAACCAGTTCTGTCTTCTGTAACAAGATGTTCTTTAGA  
GTCAATGAGAACACACAACTACAAATTCATGCAGGGGACATCCTGAAGTTCTTGAAA  
AAGAAGAAACCTGAAGATGCCTTCTGTGTTGTGGGAATAACAATGATTGATCTTTACCCA  
AGAGACTCGTGAATTTTGTCTTTGGACAGGCCTCTTTGACAGATGGTGTGGGGATTC  
AGCTTTGCCAGGTATGGCAGTGATTTTTATAGCATGCACTATAAAGGCAAAGTGAAGAAG  
CTCAAGAAAACATCTTCAAGTACTATTCAATTTTCGACAACATTTATATTCCAGAAATA  
ACTAGTGTTTTACTACTTCGATCCTGTAAGACTTTAACCCATGAGATCGGACACATATTT  
GGACTGCGACACTGCCAGTGGCTTGCATGCCTCATGCAAGGCTCCAACCACTTGAAGAA  
GCTGACCGGCCCTCTAACCTTTGCCCTATCTGTTTGCACAAGTTGCAGTGTGCTGTT  
GGCTTCAGCATTGTAGAAAGATACAAAGCACTGGTGGAGTGGATTGATGATGAATCTTCT  
GACACACCTGGAGCAACTCCAGAACACAGTCACGAGGATAATGGGAATTTACCGAAACCC  
GTGGAAGCCTTTAAGGAATGAAAGAGTGGATAATAAAATGCCTGGCTGTTCTCCAAAAA  
TGA
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Restriction Sites: Please inquire
ACCN: NM_001033572
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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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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>NM_001033572.1</u> , <u>NP_001028744.1</u>
RefSeq Size:	1395 bp
RefSeq ORF:	1083 bp
Locus ID:	51321
UniProt ID:	<u>Q86W34</u>
Cytogenetics:	17q24.2
Protein Families:	Druggable Genome
Gene Summary:	<p>The protein encoded by this gene is a zinc metalloprotease that displays some activity against angiotensin-3. The encoded protein is inhibited by the aminopeptidase inhibitor amastatin, as well as by the general inhibitors o-phenanthroline and batimastat. Defects in this gene may be associated with lung tumorigenesis. [provided by RefSeq, Oct 2016]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR compared to variant 1. Variants 1-5 and 7-17 all encode the same isoform (1).</p>