

Product datasheet for SC127320

Archaemetzincin 2 (AMZ2) (NM_016627) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Archaemetzincin 2 (AMZ2) (NM_016627) Human Untagged Clone
Tag:	Tag Free
Symbol:	Archaemetzincin 2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127320 sequence for NM_016627 edited (data generated by NextGen Sequencing)

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ATGCAAATAATACGGCACTCCGAACAGACACTAAAACAGCTCTCATCTCAAAGAACCCA
GTGCTTGTATCACAGTATGAGAAATTAGATGCTGGGGAACAACGTTTAATGAATGAAGCC
TTCCAGCCAGCCAGTGATCTCTTTGGACCCATTACCTTGCACTTCCATCAGATTGGATC
ACCTCCCACCCTGAGGCTCCCAAGACTTTGAACAGTTCTTCAGTGATCCTTACAGAAAG
ACACCCTCTCAAACAAACGCAGCATTTATATACAGTCCATTGGCTCTCTAGGAAACACC
AGAATTATCAGTGAAGAATATATTAATGGCTCACGGGCTACTGTAAGCATATTTCTAT
GGCTTGAGAGTAAAACCTCTAGAACCAGTTCCTGTTTCTGTAACAAGATGTTCTTTAGA
GTCAATGAGAACACACACAACCTACAAATTCATGCAGGGGACATCCTGAAGTTCTTGAAA
AAGAAGAAACCTGAAGATGCCTTCTGTGTTGTGGGAATAACAATGATTGATCTTTACCCA
AGAGACTCGTGGAATTTTGTCTTTGGACAGGCCTTTTGACAGATGGTGTGGGGATATTC
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CTCAAGAAAACATCTTCAAGTACTATTCAATTTTCGACAACATTTATATCCAGAAATA
ACTAGTGTTTTACTACTTCGATCCTGTAAGACTTTAACCATGAGATCGGACACATATTT
GGACTGCGACACTGCCAGTGGCTTGCATGCCTCATGCAAGGCTCCAACCACTTGGAAAGAA
GCTGACCGGCGCCCTCTAAACCTTTGCCCTATCTGTTGCACAAGTTGCAGTGTGCTGTT
GGCTTCAGCATTGTAGAAAGATACAAAGCACTGGTGAGGTGGATTGATGATGAATCTTCT
GACACACCTGGAGCAACTCCAGAACACAGTCACGAGGATAATGGGAATTTACCGAAACCC
GTGGAAGCCTTTAAGGAATGAAAGAGTGGATAATAAAATGCCTGGCTGTTCTCCAAAAA
TGA

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Clone variation with respect to NM_016627.4
88 a=>g



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016627 unedited
 TTGTATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGCTTCTTCCAGCCAGG
 CCCAGACATGTCCGTCCTTGTAAGTTAAAAGCTTCCATGGGAGCCTTCTTCTCAATCAA
 GATGCAAATAATACGGCACTCCGAACAGACACTAAAAACAGCTCTCATCTCAAAGAACCC
 AGTGCTTGTATCACAGTATGAGAAATTAGATGCTGGGGAACAACGTTTAAATGAATGAAGC
 CTTCCAGCCAGCCAGTGATCTCTTTGGACCCATTACCTTGCATTCTCCATCAGATTGGAT
 CACCTCCACCCCTGAGGCTCCCAAGACTTTGAACAGTTCTTCAGTGATCCTTACAGAAA
 GACACCCTCTCCAAACAACGCAGCATTATATACAGTCCATTGGCTCTCTAGGAAACAC
 CAGAATTATCAGTGAAGAATATATTAAATGGCTCACGGGCTACTGTAAAGCATATTTCTA
 TGGCTTGAGAGTAAAACCTCTAGAACCAGTTCTGTTTCTGTAACAAGATGTTCTTTAG
 AGTCAATGAGAACACACACAACCTACAAATTCATGCAGGGGACATCCTGAAGTCTTGAA
 AAAGAAGAAACCTGAAGATGCCTTCTGTGTTGTGGGAATAACAATGATTGATCTTTACCC
 AGAGACTCGTGAATTTTGTCTTTGGACAGGCCTCNTGACAGATGGGTGTGGGGATATT
 TCAGCTTGCCAGGTATGGCAGTATTTNTATAGCATGCACTATAAAGNCAAGTAAAGA
 GCTCAAGAAACATCTNTCAGTGACTATTCAATTNTCGACACTATTATATCCGAAATAAC
 TAGTGGTTACTACTNCGATCTGTAGACTTTACCCATGAGATA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016627 unedited
 ACCGCGGCCGCAATCTAGAGTTCGAGTTTTTTTTTTTTTTTTTTTTTTTGGAGTTTCTAGAGTTTTT
 ATTATTCAAAAAGAGTTTCATTTCAATTCAGGTAAGGTTTCTAGTCTGTTAC
 TTTGACACAGCACAAAGATCAGTAGTTTATTCCAATGAAGTATCCACCCAAATGAAAGCA
 TAACATGCAAGTAGTTATTTATTTCAATCACTCCTATTTGAAGGTCCTCATTTTTGGAGA
 ACAGCCAGGCATTTTATCCACTCTTCCATTCCTAAAGGCTTCCACGGGTTTCGGT
 AAATTCCTATTATCCTCGTGACTGTGTTCTGGAGTTGCTCCAGGTGTGTCAGAAGATTCA
 TCATCAATCCACCTCACCAGTGCTTTGTATCTTTCTACAATGCTGAAGCCAACAGCACAC
 TGCAACTTGTGCAAAACAGATAGGGCAAAGTTTAGAGGGCGCCGTCAGCTTCTTCCAAG
 TGGTTGGAGCCTTGCATGAGGCATGCAAGCCACTGGCAGTGTGCGAGTCCAAATATGTGT
 CCGATCTCATGGTTAAAGTCTTACAGGATCGAAGTAGTAAAACACTAGTTATTTCTGGA
 ATATAATAGTTGTCGAAAATTGAATAGTCACTTGAAGATGTTTTCTTGAGCTTCTTCACT
 TTGCCTTTATAGTGCATGCTATAAAAATCACTGCCATACCTGGCAAAGCTGAATATCCCC
 ACACCATCTGCAAGAGGCCTGTCCAAGACAAAATTCACGAGTCTCTTGGGTAAAGA
 TCAATCATTTGGTATTTCCACAACACAGAAGGCATCTTCNAGGTTCTTCTTTTCAAGAAC
 TTCAGGATGTCCCTGCATGAANTTGTAGGTTGNNGTGTGNCTCATTGACTCTAAGGAA
 CATNNTGTACAGAACAGGAACTGGTCTTAGAGTTTACTCTCAGCATAGAATATGCTTNA
 ACGTACCG

Restriction Sites:

NotI-NotI

ACCN:

NM_016627

Insert Size:

1430 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_016627.3](#), [NP_057711.2](#)

RefSeq Size: 2402 bp

RefSeq ORF: 1980 bp

Locus ID: 51321

UniProt ID: [Q86W34](#)

Cytogenetics: 17q24.2

Protein Families: Druggable Genome

Gene Summary: 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]
Transcript Variant: This variant (1) encodes the longest isoform (1). Variants 1-5 and 7-17 all encode the same isoform (1).