

## Product datasheet for SC335611

### Archaemetzincin 2 (AMZ2) (NM\_001289056) Human Untagged Clone

#### Product data:

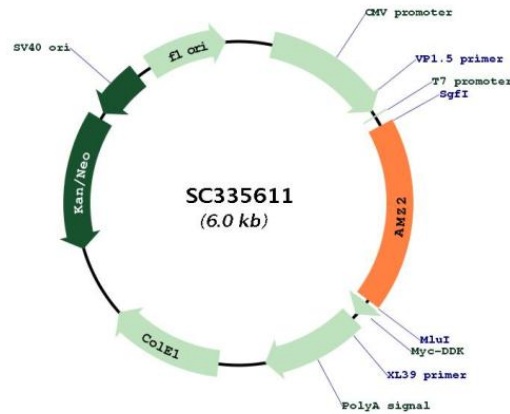
Product Type:	Expression Plasmids
Product Name:	Archaemetzincin 2 (AMZ2) (NM_001289056) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMZ2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335611 representing NM_001289056. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAAATAATACGGCACTCCGAACAGACACTAAAAACAGCTCTCATCTCAAAGAACCCAGTGCTTGTA
TCACAGTATGAGAAATTAATGCTGGGGAACAACGTTTAAATGAATGAAGCCTTCCAGCCAGCCAGTGAT
CTCTTTGGACCCATTACCTTGCATTCTCCATCAGATTGGATCACCTCCCACCCTGAGGCTCCCAAGAC
TTTGAACAGTTCTTCAGTGATCCTTACAGAAAGACACCCTCTCCAACAAACGCAGCATTATATACAG
TCCATTGGCTCTCTAGGAAACACCAGAATTATCAGTGAAGAATATATTAATGGCTCACGGGCTACTGT
AAAGCATATTTCTATGGCTTGAGAGTAAACTCCTAGAACCAGTTCCTGTTTCTGTAACAAGATGTTCC
TTTAGAGTCAATGAGAACACACACAACCTACAAATTCATGCAGGGGACATCCTGAAGTCTTGAAAAAG
AAGAAACCTGAAGATGCCTTCTGTGTTGTGGAATAACAATGATTGATCTTTACCCAAGAGACTCGTGG
AATTTTGTCTTTGGACAGGCCTCTTTGACAGATGGTGTGGGGATATTCAGCTTTGCCAGGTATGGCAGT
GATTTTTATAGCATGCACTATAAAGGCAAAGTGAAGAAGCTCAAGAAAACATCTCAAGTACTATTCA
ATTTTCGACAACATATTATCCAGAAATAACTAGTGTCTTACTACTTCGATCCTGTAAGACTTTAACC
CATGAGATCGGACACATATTTGGACTGCGACACTGCCAGTGGCTGCATGCCTCATGAAGGCTCCAAC
CACTTGAAGAAGCTGACCGGCCCTCTAAACCTTTGCCCTATCTGTTGCACAAGTTGCAGTGTGCT
GTTGGCTTCAGCATTGTAGAAAGATACAAGCACTGGTGAAGTGGATTGATGATGATCTTCTGACACA
CCTGGAGCAACTCCAGAACACAGTCACGAGGATAATGGGAATTTACCGAAACCCGTGGAAGCCTTTAAG
GAATGGAAGAGTGGATAATAAAATGCCTGGCTGTTCTCCAAAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


**ACCN:** NM\_001289056

**Insert Size:** 1083 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\\_001289056.1](#)

**RefSeq Size:** 1498 bp

**RefSeq ORF:** 1083 bp

**Locus ID:** 51321

**UniProt ID:** [Q86W34](#)

**Cytogenetics:** 17q24.2

**Protein Families:** Druggable Genome

**MW:** 41.3 kDa

**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 (8) differs in the 5' UTR compared to variant 1. Variants 1-5 and 7-17 all encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.