

## Product datasheet for **SC302741**

### Archaemetzincin 2 (AMZ2) (NM\_001033574) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Archaemetzincin 2 (AMZ2) (NM_001033574) 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:	>SC302741 representing NM_001033574. Blue=Insert sequence Red=Cloning site Green=Tag(s)

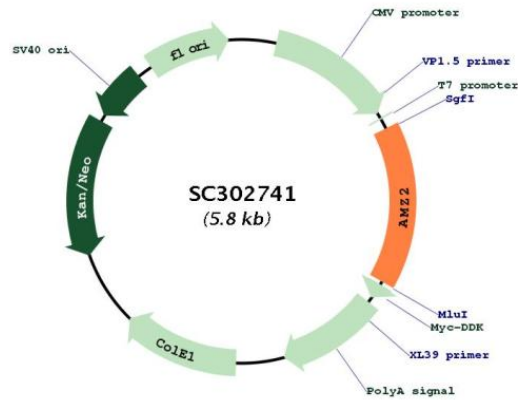
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAAATAATACGGCACTCCGAACAGACACTAAAACAGCTCTCATCTCAAAGAACCCAGTGCTTGTA
TCACAGTATGAGAAATTAATGCTGGGAACAACGTTTAAATGAATGAAGCCTTCCAGCCAGCCAGTGAT
CTCTTTGGACCCATTACCTTGCATTCTCCATCAGATTGGATCACCTCCCACCCTGAGGCTCCCAAGAC
TTTGAACAGTTCTTCAGTGATCCTTACAGAAAGACACCCTCTCCAACAAACGCAGCATTATATACAG
TCCATTGGGGACATCCTGAAGTCTTTGAAAAGAAGAAACCTGAAGATGCCTTCTGTGTTGTGGGAATA
ACAATGATTGATCTTTACCCAAGAGACTCGTGGAAATTTGTCTTTGGACAGGCCTTTTGACAGATGGT
GTGGGGATATTCAGCTTTGCCAGGTATGGCAGTGATTTTTATAGCATGCACTATAAAGGCAAAGTGAAG
AAGCTCAAGAAAACATCTTCAAGTGACTATTCAATTTTCGACAACCTATTATATCCAGAAATAACTAGT
GTTTTACTACTTCGATCCTGTAAGACTTTAACCCATGAGATCGGACACATATTTGGACTGCGACTGC
CAGTGGCTTGCATGCCTCATGCAAGGCTCCAACCCTGGAAGAAGCTGACCGGCCCTCTAAACCTT
TGCCCTATCTGTTGCACAAGTTGCAGTGTGCTGTTGGCTTCAGCATTGTAGAAAGATACAAAGCACTG
GTGAGGTGGATTGATGATGAATCTTCTGACACACCTGGAGCAACTCCAGAACACAGTCACGAGGATAAT
GGGAATTTACCGAAACCGTGAAGCCTTTAAGGAATGGAAGAGTGGATAATAAATGCCTGGCTGT
CTCAAAAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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## Plasmid Map:



ACCN: NM\_001033574

Insert Size: 909 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).

**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:**

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\\_001033574.1](#)

RefSeq Size: 1806 bp

RefSeq ORF: 909 bp

Locus ID: 51321

UniProt ID: [Q86W34](#)

Cytogenetics: 17q24.2

Protein Families: Druggable Genome

MW: 34.6 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 (6) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. Variants 2 and 18 both encode the same isoform (2).