

Product datasheet for **MC227287**

Amz2 (NM_001252193) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Amz2 (NM_001252193) Mouse Untagged Clone
Tag: Tag Free
Symbol: Amz2
Synonyms: AA408420; ESTM12; X83328
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227287 representing NM_001252193
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGACAAGATGCAGGTAACGGCACTCCGAGCACACACTGAAAACAGCTCTCTCTCAAAGAACC
 CAGTGCTTGTGCACAGTATGAGAAGTTAGATGCTGGGGAGCAACGGTTAATGAATGAAGCCTTCCAGCC
 ACGCAGTAACCTGTTTGGACCCATTACTGTGCACTCCAGTCAGACTGGATCTCCTCCCACCCGAGGCT
 CCCAAGACTTTGAGCAGTTTTCTCTGACCGCTACAGAAAGGCACCCTGTCAAAGAAACATATAATCT
 ACATTCAGTCCATTGGCTCTCTAGGCAACACCAGATCATCAGTGAAGAGTATATTAATGGCTCAAGGG
 CTAAGTGAAGCATTCTACGGTTTGAAGGTGAAGTCTTAGAACCTGTTTCGGTCTCTGAAACCAAG
 TGTTCTTTAGAGTGAATGAGCACACAAAACTGCAATCCACACAGGACATATCCTGGCATTCTTGA
 AGAAGAATAAACCGGAAGATGCCTTCTGCATCGTGGGGATCACAATGATCGATCTCTACCCTCGGGACTC
 GTGGAACCTCGTCTTTGGACAGGCTCCTGTCAAGTGGTGTGGGCATATTCAGCTTTGCCAGGTATGCC
 AAGGACTTCTACACCTCGAAATACGAAGCAATGTGACGTCTCTGCAGCTAACGTCTCCCAGTACTACT
 CCATTTTTGATAACTATTACATCCCTGAAATCACTAGTGTGTTGCTGTTGCGATCTGTAAGACTTTAAC
 CCATGAGATCGGACACATACTGGACTGCGACACTGCCAGTGGCTTGCCTGTTAATGCAAGGCTCCAAT
 CACTTGGAGGAATCTGACCGGCTCCTCTGAATGTTTGCCTATCTGCTTACGAAAGCTGCAGAGTGCCA
 TTGGCTTCAATATTGTGGAGAGATACAGAGCACTGGTGAAGTGGATTGACGACGAATCTTGAACGAATC
 AGGAGCAACTCCGAAAAGTAGTTCTGAGCATGCGCATTGCGGAAACCTGTGGAAGCCTTTAAGGATTGG
 AGAGAGTGGCTAATGAGATGCATTGCTCTCCTTGAGAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001252193



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Insert Size:	1092 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001252193.1</u> , <u>NP_001239122.1</u>
RefSeq Size:	2997 bp
RefSeq ORF:	1092 bp
Locus ID:	13929
UniProt ID:	<u>Q400C8</u>
Cytogenetics:	11 71.89 cM
Gene Summary:	<p>Zinc metalloprotease. Exhibits activity against angiotensin-3 in vitro. Does not hydrolyze neurogranin nor angiotensin-2 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein. 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.</p>