

Product datasheet for **MC227287**

Amz2 (NM_001252193) Mouse Untagged Clone

Product data:

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

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGACAAGATGCAGGTACTACGGCACTCCGAGCACACACTGAAAACAGCTCTCCTCTCAAAGAACC
CAGTGTCTGTGTCACAGTATGAGAAGTTAGATGCTGGGGAGCAACGGTTAATGAATGAAGCCTTCCAGCC
ACGCAGTAACCTGTTTGAGCCATTACTGTGCACTCCAGTCAGACTGGATCTCCTCCCACCCGAGGCT
CCCCAAGACTTTGAGCAGTTTTTCTCTGACCGCTACAGAAAAGGCACCCTGTCCAAGAAACATATAATCT
ACATTCAGTCCATTGGCTCTCTAGGCAACACCAGAGTCATCAGTGAAGAGTATATTAATGGCTCAAGGG
CTACTGTGAAGCATTCTTCTACGGTTTGAAGGTGAAGTTCTTAGAACCTGTTTCGGTCTCTGAAACCAAG
TGTTCCCTTAGAGTGAATGAGCACACAAAACCTGCAATCCACACAGGACATATCCTGGCATTCTTGA
AGAAGAATAAACCGGAAGATGCCTTCTGCATCGTGGGATCACAATGATCGATCTCTACCTCGGGACTC
GTGGAACCTCGTCTTTGGACAGGCCTCTTGCAAGTGGTGTGGGCATATTAGCTTTGCCAGGTATGGC
AAGGACTTCTACCTCGAAATACGAAGGCAATGTGACGTCTCTGCAGTAACGTCTCCCACTGACTACT
CCATTTTGTATAACTATTACATCCCTGAAATCACTAGTGTCTTGTCTGTTGCGATCCTGTAAGACTTTAAC
CAATGAGATCGGACACATACTGGACTGCGACACTGCCAGTGGCTTGGCTGTTAATGCAAGGCTCCAAT
CACTTGGAGGAATCTGACCGGCGTCTCTGAATGTTTGCCTATCTGCTTACGAAAGCTGCAGAGTGCCA
TTGGCTTCAATATTGTGGAGAGATACAGAGCACTGGTGAAGTGGATTGACGACGAATCTTGAACGAATC
AGGAGCAACTCCGAAAAGTAGTTCTGAGCATGCGCATTGGCCGAAACCTGTGGAAGCCTTTAAGGATTGG
AGAGAGTGGCTAATGAGATGCATTGCTCTCCTTGAATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



ACCN:	NM_001252193
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001252193.1 , NP_001239122.1
RefSeq Size:	2997 bp
RefSeq ORF:	1092 bp
Locus ID:	13929
UniProt ID:	Q400C8
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>