

Product datasheet for **MC217062**

Amz1 (NM_173405) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amz1 (NM_173405) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Amz1
Synonyms:	5330426I05; 6530401C20Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217062 representing NM_173405
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGCAGTGCAAACCCAGGAGTTCAGCTTCGGGCCCGGCCCTGAAGGATGCCCTGATCTCCT
GTGACCTGGCCCTGAAGCAGATGTATACCTCAGCCTTTTCCCGTCGGAGAGACTTTCCTGTCTGAGGC
CTACAACCCTAACCGGACTCTTTCAGCACACTGCTCATTCACTCAGCCTATGACTGGCTCCTGAGCCGC
CCTGAAGCCCTGAGGATTTGAGACCTTCCATGCTTCTTTGAGCTCCGGAAGCAGAGCCTGGCCCGGA
AACACATTTACCTGCAGCCATAGATCTGAGCGAGGGGCTGGCGGGATGCCCCCTGCTGGACCACCTTCG
GAGCTGCGCCGAGGCTTCTTCTGGGCCTTCGCGTCAAATGCCTGCCCTCAGTGGCTGCCGCTCCATT
AACTGCTGCTCAAGACCCAGTCGGGATACTGATGGGCTTCAACTTCACACAGATGGCATCTTGTCTTCT
TGAAGAACAACAAGCCAGGGGATGCCTTGTGCGTGTGGGCTCACGCTGGCTGACCTGTACCCCATGA
TGCTTGACCTTACCTTCGGCAGATTTCTTCCGGGACGAAGTGGGTGTGTAGCTTCGCTCGCTTC
TCTGGAGAGTTCTTGCAGGCCGGTCCAGTGTTCCTGACTCAGCTCTGCTGGAGGCAGCAGCAGAGGTG
GCCCGGAGACGCTGCCTCGTGAGCGAGGACGGACCCTGTGCTTCAGCGCCCTGGGCATGGTTCAGTGCTG
CAAGGTCACTGCCATGAGCTCTGCCACCTCCTGGGCCTGGGAGCTGTGCTGGCTCCGCTGCCTCCTG
CAGGGGGCGCTTAGCCTGGATGAGGTGCTCCGTCGGCCCTGGACCTCTGTCCCATCTGCTTGAGGAAGT
TGCATCACCTCCTGGGCTTCAGGCTCCTGGAGAGGTACAAGAGACTCCATGCTTGGACTCGGGTATGGT
GGAGATATGGTCTGGTCAAGAGGCTGGGAGCCATCTGTGTCGGAGGACACCTTACCCTTCAGTGTGAC
TCAGGCATGGGCTGTGAGAGTGACACGGAGCCTGTACCAGCCCGTCAGAGCCTGTACCCTGATGGG
GGAGTCATCCCTCCCTGACGGACCTGAACCAGTATCTGAGGATGGCTGGGCTCTCTCATGGCCTCAGA
AGTGTGCTGACCTCGGGGGCCGGTGGACGCCATGGAGGAGTATGGACAGTGGCTGACTGCGTGCATC
CAGACCCTGGAGAGGGAGGGAGCTGAAGAGGAGCTGCTCCAGGTGGATGCGGCTGTGGATGCCCTGAGCC
GGTGGGAGATGTTACAGGGCAGCTCCCGGTGACCAAGCAGCAGCTGCCCTGTGGCAAGGATAATGTGGG
ACTGCGCAGGGTCTGGGAGACAAGTTCTTCCCTGAGGCGCCGGCTGAGCTCACGAAGATTTGCCAAG
GCCAGTTCTTCCACTGCCGCTGGGGGGCAGAGAAT**TAA**

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_173405

Insert Size: 1509 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_173405.2](#), [NP_775581.1](#)

RefSeq Size: 2685 bp

RefSeq ORF: 1509 bp

Locus ID: 231842

UniProt ID: [Q8BVF9](#)

Cytogenetics: 5 G2

Gene Summary: Zinc metalloprotease. Exhibits aminopeptidase activity against neurogranin in vitro. Does not hydrolyze angiotensin-2 (By similarity).[UniProtKB/Swiss-Prot Function]