

Product datasheet for MR205580

Amz2 (NM_025275) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amz2 (NM_025275) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Amz2
Synonyms:	AA408420; ESTM12; X83328
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205580 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGACAAGATGCAGGTAACGGCACTCCGAGCACACACTGAAAACAGCTCTCCTCTCAAAGAACC
CAGTGCTGTGTACAGTATGAGAAGTTAGATGCTGGGGAGCAACGGTTAATGAATGAAGCCTTCCAGCC
ACGCAGTAACCTGTTTGAGCCATTACTGTGCACTCCAGTCAGACTGGATCTCCTCCACCCCGAGGCT
CCCCAAGACTTTGAGCAGTTTTTCTCTGACCGCTACAGAAAGGCACCCTGTCAAAGAAACATATAATCT
ACATTCAGTCCATTGGCTCTCTAGGCAACACCAGAGTCATCAGTGAAGAGTATATTAATGGCTCAAGGG
CTACTGTGAAGCATTCTTCTACGTTTGAAGGTGAAGTCTTAGAACCTGTTTCGGTCTCTGAAACCAAG
TGTTCCCTTAGAGTGAATGAGCACACACAAAACCTGCAAATCCACACAGGACATATCCTGGCATTCTTGA
AGAAGAATAAACCGGAAGATGCCTTCTGCATCGTGGGGATCACAATGATCGATCTCTACCCTCGGGACTC
GTGGAACCTTCGTCTTGGACAGGCTCCTGTCAAGTGGTGTGGGCATATTCAGCTTTGCCAGGTATGGC
AAGGACTTCTACACCTCGAAATACGAAGGCAATGTGACGCTCTCTGCAGCTAACGCTCTCCACTGACTACT
CCATTTTGTAACTATTACATCCCTGAAATCACTAGTGTGTTTGTGTTGCGATCCTGTAAGACTTTAAC
CCATGAGATCGGACACATACTTGGACTGCGACACTGCCAGTGGCTTGCCTGTTAATGCAAGGCTCCAAT
CACTTGGAGGAATCTGACCGGCTCCTCTGAATGTTGCCCTATCTGCTTACGGAAGCTGCAGAGTGCCA
TTGGCTTCAATATTGTGGAGAGATACAGAGCACTGGTGAAGTGGATTGACGACGAATCTTGAACGAATC
AGGAGCAACTCCGAAAAGTAGTTCTGAGCATGCGCATTGCGCAAACCTGTGGAAGCCTTTAAGGATTGG
AGAGAGTGGCTAATGAGATGCATTGCTCTCCTTGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205580 protein sequence
Red=Cloning site Green=Tags(s)

MADKMQVLRHSEHTLKTALLSKNPVLVSQYEKLDAGEQRLMNEAFQPRSNLFEPITVHSQSDWISSHPEA
 PQDFEQFFSDRYRKAPCPKKHIIYIQSIGSLGNTRVISEEYIKWLKGYCEAFFYGLKVKFLEPVSVSETK
 CSFRVNEHTQNLQIHTGHILAFLLKKNKPEDAFICVIGITMIDLPRDSWNFVFGQASLSSGVGIFSFARYG
 KDFYTSKYEGNVTSLQLTSPDYISIFDNYYIPEITSVLLLRSCKTLTHEIGHILGLRHCQWLACLMOGSN
 HLEESDRRPLNVCPICLRKLQSAITGFNIVERYRALVKWIDDESCNESGATPKSSSEHAHLPKPVEAFKDW
 REWLMRCIALLEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_025275

ORF Size: 1092 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_025275.3](#), [NM_025275.4](#), [NP_079551.3](#)

RefSeq Size: 2816 bp

RefSeq ORF: 1092 bp

Locus ID: 13929

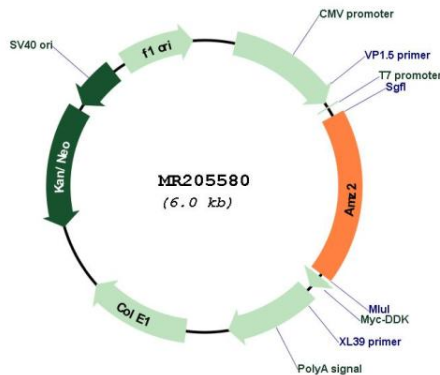
UniProt ID: [Q400C8](#)

Cytogenetics: 11 71.89 cM

MW: 41.8 kDa

Gene Summary: Zinc metalloprotease. Exhibits activity against angiotensin-3 in vitro. Does not hydrolyze neurogranin nor angiotensin-2 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205580