

Product datasheet for **RG215612**

AMZ1 (NM_133463) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMZ1 (NM_133463) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AMZ1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG215612 representing NM_133463
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCAGTGTAGACCCGCACAGGAGTTCAGCTTCGGGCCCCGGGCCTTGAAGGACGCTCTGGTCTCCA
 CTGACGCAGCCCTGCAGCAGCTGTATGTGCCGCTTCTCCCCTGCCAGCGGCTCTTCTGGCCGAGGC
 CTACAACCCGCAGAGGAGCTCTTCTGCACCCTGCTCATCCGCACGGGCTTCGACTGGCTCCTGAGCCGA
 CCCGAGGCTCCCGAGGACTTCCAGACCTTCCACGCCTCCCTGCAGCACCGGAAGCCCCGCTGGCTCGGA
 AGCACATCTACCTACAGCCGATAGACCTGAGCGAGGAGCCGGTGGGAAGCTCCCTGCTGCACCAGCTGTG
 CAGCTGCACAGAGGCTTCTTCTGGGCTGCGCGTCAAGTGCCTGCCGTCGGTGGCAGCCGCTCCATC
 CGCTGCTCCTCGCGGCCAGCCGGGACTCTGACAGGCTCCAGCTCCACACAGACGGCATCTGTCTTCT
 TGAAGAACAACAAGCCAGGGGACGCGTGTGTGTGCTGGGCTCACACTGTCTGACCTGTACCCCATGA
 GGCTTGAGCTTACCTTCAGCAAGTTCCTTCCAGGGCACGAAGTGGGCTCTGCAGCTTCGCCCCGTTT
 TCAGGGGAATTCCTGAAGTCGGGGCCCAGCGCCCTGATCTGGCCCTGGTAGAGGCAGCAGACAGGCC
 CCGAGGCCCCCTGCAGGACAGGGGCTGGGCCCTGTGCTTCAGTGCCCTGGGGATGGTTCACTGTGCAA
 GGTACGTGCCACGAGCTCTGCCACCTTCTGGGCTGGGGAAGTCCCGCTGGCTCCGCTGCCTCATGCAG
 GGTGCGCTCAGCTGGACGAGGCCCTGCGGCGGCCCTGGACCTCTGTCCCATCTGCCTGAGGAAGCTGC
 AGCATGTCTGGGTTTCAGGCTCATCGAGAGGTACCAGAGACTCTACACCTGGACTCAGGCGGTGGTGGG
 GACGTGGCCAGCCAGGAGGCGGGGAGCCGTAGTGTGGGAGGACACCCGCTGCCAGCGCCGACTCG
 GGCATGTGCTGTGAGAGTGACTCGGAGCCCGGCACCACTGTGTGCGAGCCCTCACCCCTGATGCCGGGA
 GTCACACCTTCGCTCAGGGCCAGAGGAAGGGCTGAGTACCTGGCAGCTCAGAGGCTCCGCTGCCACC
 TGGGGGCCCTGCGGAGGCCATCAAGGAGCATGAACGGTGGCTGGCCATGTGCATCCAGGCCCTGCAGCGG
 GAAGTGGCAGAGGAGGACCTGGTGCAGGTGGACAGAGCCGTGGACGCCCTCGACCCTGGGAGATGTTCA
 CGGGCCAGCTCCCGGCCACAGGAGGCCACCCAGCAGCAGGGACAGCGTGGGCTGCGCAAGGTGCT
 GGGGGACAAGTTCTCTCCCTGAGGAGGAAGCTGAGTGCCCGAAAACCTGCCAGAGCAGAGTCGGCCCCC
 CTCCCTGGGATGGGAAGAGAGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG215612 representing NM_133463
 Red=Cloning site Green=Tags(s)

MLQCRPAQEFSGPRALKDALVSTDAALQQLYVSASFSPAERLFLAEAYNPQRTLFCTLLIRTGFDWLLSR
 PEAPEDFQTFHASLQHRKPRLARKHIYLPIDLSEEPVGSLLHQLCSCTEAFFLGRVKCLPSVAAASI
 RCSSRPSRSDRLQLHTDGILSFLKNNKPGDALCVLGLTSLDYPHEAWSFTFSKFLPGHEVGVCSEFARF
 SGEFPKSGPSAPDLALVEAAADGPEAPLQDRGWALCF SALGMVQCCKVTCHLCHLLGLGNCRWLRLMQ
 GALSLDEALRRPLDLCPICLRKLQHVLFRLIERYQRLYTWTQAVVGTWPSQEAGEPSVWEDTPPASADS
 GMCCESDSEPGTSVSEPLTPDAGSHTFASGP EEGLSYLAASEAPLPPGPAAEAIKEHERWLMACIQALQR
 EVAEEDLVQVDRAYDALDRWEMFTGQLPATRQDPPSSRDSVGLRKVLGDKFSSLRRLKSARKLARAESAP
 RPWDGEES

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_133463

ORF Size: 1494 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_133463.1](#), [NP_597720.1](#)

RefSeq Size: 4415 bp

RefSeq ORF: 1497 bp

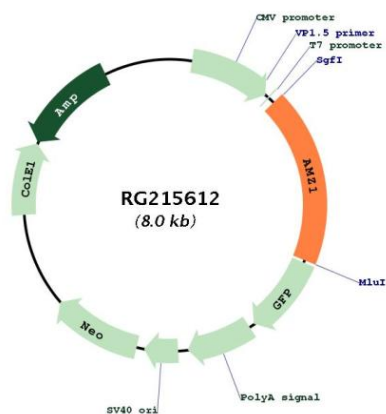
Locus ID: 155185

UniProt ID: [Q400G9](#)

Cytogenetics: 7p22.3

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

Product images:



Circular map for RG215612