

## Product datasheet for **MG205580**

### Amz2 (NM\_025275) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Amz2 (NM_025275) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Amz2
Synonyms:	AA408420; ESTM12; X83328
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205580 representing NM_025275 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGACAAGATGCAGGTAACGGCACTCCGAGCACACACTGAAAACAGCTCTCCTCTCAAAGAACC  
CAGTGCTGTGTACAGTATGAGAAGTTAGATGCTGGGGAGCAACGGTTAATGAATGAAGCCTTCCAGCC  
ACGCAGTAACCTGTTGAGCCATTACTGTGCACTCCAGTCAGACTGGATCTCCTCCACCCCGAGGCT  
CCCCAAGACTTTGAGCAGTTTTTCTCTGACCGCTACAGAAAGGCACCCTGTCAAAGAAACATATAATCT  
ACATTCAGTCCATTGGCTCTCTAGGCAACACCAGAGTCATCAGTGAAGAGTATATTAATGGCTCAAGGG  
CTACTGTGAAGCATTCTTCTACGGTTTGAAGGTGAAGTCTTAGAACCTGTTTCGGTCTCTGAAACCAAG  
TGTTCCCTTAGAGTGAATGAGCACACACAAAACCTGCAAATCCACACAGGACATATCCTGGCATTCTTGA  
AGAAGAATAAACCGGAAGATGCCTTCTGCATCGTGGGGATCACAATGATCGATCTCTACCCTCGGGACTC  
GTGGAACCTTCGTCTTTGGACAGGCCTCCTGTCAAGTGGTGTGGGCATATTCAGCTTTGCCAGGTATGGC  
AAGGACTTCTACACCTCGAAATACGAAGGCAATGTGACGCTCTCTGCAGCTAACGCTCTCCCACTGACTACT  
CCATTTTGTAACTATTACATCCCTGAAATCACTAGTGTGTTTGTGTTGCGATCCTGTAAGACTTTAAC  
CCATGAGATCGGACACATACTTTGACTGCGACACTGCCAGTGGCTTGCCTGTTAATGCAAGGCTCCAAT  
CACTTGGAGGAATCTGACCGGCTCCTCTGAATGTTGCCCTATCTGCTTACGGAAGCTGCAGAGTGCCA  
TTGGCTTCAATATTGTGGAGAGATACAGAGCACTGGTGAAGTGGATTGACGACGAATCTTGAACGAATC  
AGGAGCAACTCCGAAAAGTAGTTCTGAGCATGCGCATTGCGCAAACCTGTGGAAGCCTTTAAGGATTGG  
AGAGAGTGGTAATGAGATGCATTGCTCTCCTTGAGAAA

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205580 representing NM\_025275  
 Red=Cloning site Green=Tags(s)

MADKMQVLRHSEHTLKTALLSKNPVLSQYEKLDAGEQRLMNEAFQPRSNLFEPITVHSQSDWISSHPEA  
 PQDFEQFFSDRYRKAPCPKKHIIYIQSIGSLGNTRVISEEYIKWLKGYCEAFFYGLKVKFLEPVSVSETK  
 CSFRVNEHTQNLQIHTGHILAFLLKKNKPEDAFICVITMIDLPRDSWNFVFGQASLSSGVGIFSFARYG  
 KDFYTSKYEGNVTSLQLTSPTDYSIFDNYYIPEITSVLLLRSCKTLTHEIGHILGLRHCQWLACLMOGNS  
 HLEESDRRPLNVCPICLRKLQSAITGFNIVERYRALVKWIDDESCNESGATPKSSSEHAHLPKPVEAFKDW  
 REWLMRCIALLEK

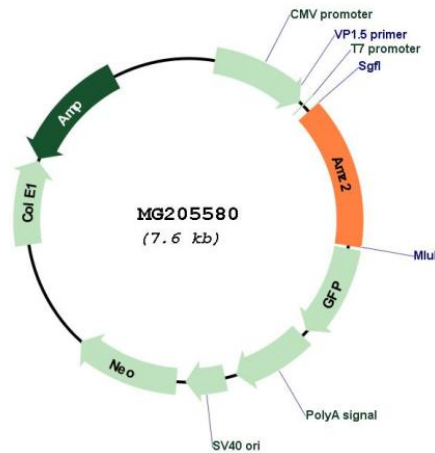
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_025275

<b>ORF Size:</b>	1089 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_025275.4</a> , <a href="#">NP_079551.3</a>
<b>RefSeq Size:</b>	2816 bp
<b>RefSeq ORF:</b>	1092 bp
<b>Locus ID:</b>	13929
<b>UniProt ID:</b>	<a href="#">Q400C8</a>
<b>Cytogenetics:</b>	11 71.89 cM
<b>Gene Summary:</b>	Zinc metalloprotease. Exhibits activity against angiotensin-3 in vitro. Does not hydrolyze neurogranin nor angiotensin-2 (By similarity).[UniProtKB/Swiss-Prot Function]