

Product datasheet for **MG215411**

Amy2a2 (NM_001160152) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Amy2a2
Synonyms:	ENSMUSG00000074265; mAmy2-5; OTTMUSG00000022431
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG215411 representing NM_001160152
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGTTCGTTCTGCTGCTTCCCTCATTGGGTCTGCTGGGCTCAATATGACCCACATACTTCAGATG
GGAGGACTGCTATTGTCCACCTGTTTCGAGTGGCGCTGGGTTGATATTGCCAAGGAATGTGAGCGACTT
AGCTCCTAAGGGATTTGGAGGGGTGCAGGTCTCTCCACCCAATGAAAACGTTGTAGTTCATAACCCATCA
AGACCTTGGTGGGAAAGATACCAACCAATCAGCTATAAAATCTGCACAAGGTCTGAAAATGAAGATGAAT
TCAGAGACATGGTGACAAGGTGCAACAATGTTGGTGTCCGATTTATGTGGATGCTGTCATTAACCACAT
GTGTGGCGCAGGCAATCCTGCAGGAACAAGCAGTACCTGTGGAAAGTTACCTCAATCCAAATACACAGGAA
TTCCACGAGTTCATACTCTGCTTGGGACTTTAACGATAATAAATGTAATGGAGAAAATTGATAACTACA
ATGATGCTTATCAGGTCAGAAATTGCTGCTGACTGGCCTTCTGGATCTTGCACTTGAGAAAAGATTATGT
TCGTACCAAGGTGGCTGACTATATGAACCATCTATTGACATTGGAGTAGCAGGGTTCAGACTTGATGCT
GCTAAGCACATGTGGCCTGGAGACATAAAGGCAGTTTTGGACAAAATGCATAATCTCAATACAAAATGGT
TCTCCAAGGAAGCAGACCTTTCAATTTCCAAGAGGTCATTGATCTGGGTGGTGAAGCAATTAAGGTAG
TGAGTACTTTGAAAATGGCCGTGTGACAGAATCAAGTATGGTGCAAAAATGGCACAGTTATCCGCAAG
TGGAAATGGCGAGAAGATGCTCTATTAAGAAGTGGGGAAGGTTGGGTTTGGTGCCTTCTGACAGAG
CCCTTGTGTTTGTGGACAACCATGATAATCAGCGAGGACATGGTGTGGAGGATCATCCATCTGACATT
CTGGGATGCTAGAATGTATAAAATGGCTGTCCGATTTATGTTGGCTCATCCTTATGGATTACAAGAGTA
ATGTCAAGTACCCTTGAATAGAAATTTCCAGAATGGAAAAGATCAGAATGACTGGATTGGACACCCA
ATAACAATGGAGTAACAAAAGAAGTACCATTAAATGCAGACACTACTTGTGGCAATGACTGGGCTGTGTA
ACACAGATGGCGTCAATCAGGAACATGGTTGCCTTCAGGAATGTGGTCAATGGTCAGCCTTTTTCAAAC
TGGTGGGATAATAACAGCAACCAAGTAGCTTTAGCAGAGGAAACAGAGGATTCATTGTCTTTAACAATG
ATGACTGGGCTTTGTGACGCCATTTACAGACTGGTCTTCTGCTGGCACATACTGTGATGTCATCTCTGG
AGATAAGGTCGATGGCAATGCACTGGACTTAGAGTGAATGTTGGCAGTATGGCAAAGCTCACTTTCC
ATTAGTAACTCTGCTGAGGACCCATTTATTGCAATCCATGCTGACTCAAAATTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >MG215411 representing NM_001160152
Red=Cloning site Green=Tags(s)

MKFLVLLLSLIGFCWAQYDPHTSDGRTAIVHLFEWRWVDIAKECERYLAPKGFVGGVQVSPNENNVVHNPS
RPWVERYQPIISYICTRSGNEDEFDMVTRCANNVGVRIYVDAVINHMCGAGNPAGTSSSTCGSYLNPNNRE
FPAVPYSAWDFNDNKNCEIDNYNDAYQVRNCRLLGLDLALEKDYVRTKVADYMNHLIDIVGAVFRLDA
AKHMPGDIKAVLDKLNHLNWKFSQGSRPFFIFQEVIDLGGEAIKGSEYFNGRVRTFEFKYKAGLGTVIRK
WNGEKMSYLNWGEWGLVPSDRALVFDNHDNQRGHGAGGSSILTFWDARMYKMAVGFMLAHPYGFTRV
MSSYRWNRFQNGKDQNDWIGPPNNGVTKVETINADTTGNDWVCEHRWRQIRNMVAFRNVVNGQPFSSN
WWDNNSNQVAFSRGNRGFIVFNDDWALSATLQTGLPAGTYCDVISGDKVDGNCTGLRVNVGSDGKAHFS
ISNSAEDPFIHADSGL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_001160152

ORF Size: 1524 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.

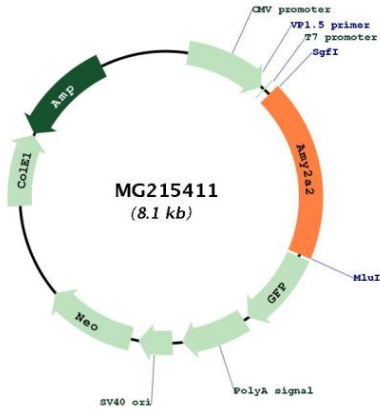
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001160152.1](#), [NP_001153624.1](#)

RefSeq Size: 3723 bp

RefSeq ORF: 1527 bp
 Locus ID: 100043688
 UniProt ID: [P00688](#)
 Cytogenetics: 3

Product images:



Circular map for MG215411