

Product datasheet for **MG215410**

Amy2a3 (NM_001160151) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amy2a3 (NM_001160151) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Amy2a3
Synonyms:	mAmy2-4; OTTMUSG00000022430
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG215410 representing NM_001160151
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAAGTTCGTTCTGCTGCTTTCCCTCATTGGGTTCTGCTGGGCTCAATATGACCCACATACTTCAGATG
 GGAGGACTGCTATTGTCCACCTGTTGAGTGCGCTGGGTTGATATTGCCAAGGAATGTGAGCGATACTT
 AGCTCCTAAGGGATTGGAGGGGTGCAGGTCTCTCCACCAATGAAAACGTTGTAGTTCATAACCCATCA
 AGACCTTGGTGGGAAAGATACCAACCAATCAGCTATAAAATCTGCACAAGGTCTGGAAATGAAGATGAAT
 TCAGAGACATGGTGACAAGGTGCAACAATGTTGGTGTCCGATTTATGTGGATGCTGTCATTAACCAT
 GTGTGGCGCAGGCAATCCTGCAGGAACAAGCAGTACCTGTGGAAGTTACCTCAATCCAAATAACAGGGAA
 TTCCACGAGTTCATACTCTGCTTGGGACTTTAACGATAATAAATGTAATGGAGAAATTGATACTACA
 ATGATGCTTATCAGGTCAGAAATTGCTGCTGACTGGCCTTCTGGATCTTGCACTTGAGAAAGATTATGT
 TCGTACCAAGGTGGCTGACTATATGAACCATCTCATTGACATTGGAGTAGCAGGGTTCAGACTTGATGCT
 GCTAAGCACATGTGGCCTGGAGACATAAAGGCAGTTTTGGACAACTGCATAATCTCAATACAAAATGGT
 TCTCCCAAGGAAGCAGACCTTTCAATTTCCAAGAGGTCATTGATCTGGTGGTGAGGCAATTAAAGGTAG
 TGAGTACTTTGGAATGGCCGTGTGACAGAATCAAGTATGGTGCAAACTTGGCACAGTTATCCGCAAG
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 CCCTTGTGTTTGGGACAACCATGATAATCAGCGAGGACATGGTCTGGAGGATCATCCATCCTGACATT
 CTGGGATGCTAGAATGTATAAAATGGCTGTGCGATTTATGTTGGCTCATCCTTATGGATTCACAAGAGTA
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 ATGACTGGGCTTTGTGAGCCACTTTACAGACTGGTCTTCTGCTGGCACATACTGTGATGTCATCTCTGG
 AGATAAGGTGATGGCAATTGCACTGGACTTAGAGTGAATGTTGGCAGTGATGGCAAAGCTCACTTTTCC
 ATTAGTAATCTGCTGAGGACCATTTATTGCAATCCATGCTGACTCAAATTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG215410 representing NM_001160151
 Red=Cloning site Green=Tags(s)

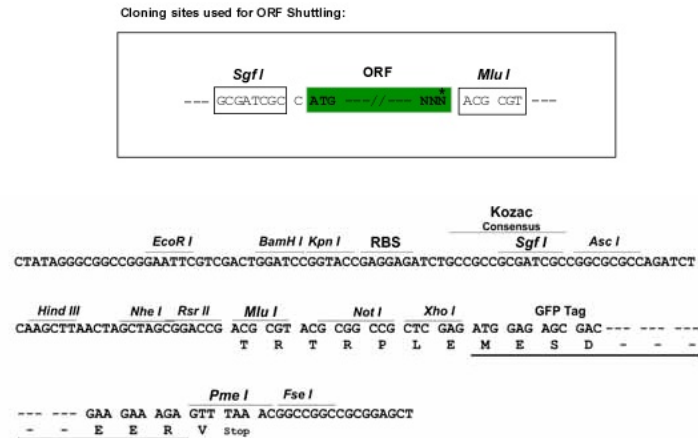
MKFLVLLSLIGFCWAQYDPHTSDGRTAIVHLFEWRWVDIAKECERYLAPKGGVQVSPNENNVVHNPS
 RPWWERYQPISYKICTRSGNEDEFDMVTRCANNVGVRIYDAVINHMCGAGNPAGTSSTCGSYLNPNNRE
 FPAVPYSAWDFNDNKCNGEIDNYNDAYQVRNCRLTGLLDLALAKDYVRTKVADYMNHLIDIGVAGFRLDA
 AKHMWPGDIKAVLDKLNHNTKWFSSQSRPFIQFEVIDLGGEAIKGYSEYFGNVRVTEFKYAKLGTVIRK
 WNGEKMSYLNWGEWGLVPSDRALVFVDNHDNRGHGAGGSSILTFWDARMYKMAVGFMALHPYGFTRV
 MSSYRWNRNFQNGKDQNDWIGPPNNNGVTKEVTINADTTGNDWVCEHRWRQIRNMVAFRNVVNGQPFNS
 WWDNNSNQVAFSRGNRGFIVFNDDWALSATLQTGLPAGTYCDVISGDKVDGNCTGLRVNVGSDGKAHFS
 ISNSAEDPFIHADSGL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001160151

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_001160151.1](#), [NP_001153623.1](#)

RefSeq Size: 3723 bp

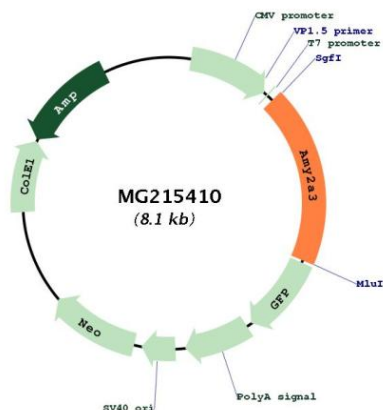
RefSeq ORF: 1527 bp

Locus ID: 100043686

UniProt ID: [P00688](#)

Cytogenetics: 3

Product images:



Circular map for MG215410