

Product datasheet for **MR215410**

Amy2a3 (NM_001160151) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amy2a3 (NM_001160151) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Amy2a3
Synonyms:	mAmy2-4; OTTMUSG00000022430
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR215410 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAAGTTCGTTCTGCTGCTTTCCCTCATTGGGTTCTGCTGGGCTCAATATGACCCACATACTTCAGATG
 GGAGGACTGCTATTGTCCACCTGTTTCGAGTGGCGCTGGGTTGATATTGCCAAGGAATGTGAGCGATACTT
 AGCTCCTAAGGGATTGGAGGGGTGCAGGTCTCTCCACCAATGAAAACGTTGTAGTTTCATAACCCATCA
 AGACCTTGGTGGGAAAGATACCAACCAATCAGCTATAAAATCTGCACAAGGTCTGGAAATGAAGATGAAT
 TCAGAGACATGGTGACAAGGTGCAACAATGTTGGTGTCCGATTTATGTGGATGCTGTCATTAACCCAT
 GTGTGGCGCAGGCAATCCTGCAGGAACAAGCAGTACCTGTGGAAGTTACCTCAATCCAAATAACAGGGAA
 TTCCACGAGTTCATACTCTGCTTGGGACTTTAACGATAATAAATGTAATGGAGAAATTGATACTACA
 ATGATGCTTATCAGGTGAGAAATGTCGCTGACTGGCCTTCTGGATCTTGCACTTGAGAAAGATTATGT
 TCGTACCAAGGTGGCTGACTATATGAACCATCTCATTGACATTGGAGTAGCAGGGTTCAGACTTGATGCT
 GCTAAGCACATGTGGCCTGGAGACATAAAGGCAGTTTTGGACAACTGCATAATCTCAATACAAAATGGT
 TCTCCCAAGGAAGCAGACCTTTCAATTTTCCAAGAGGTCATTGATCTGGGTGGTGAGGCAATTAAAGGTAG
 TGAGTACTTTGGAATGGCCGTGTGACAGAATCAAGTATGGTGCAAACTTGGCACAGTTATCCGCAAG
 TGAATGGCGAGAAGATGTCCTATTTAAAGAACTGGGGAGAAGGTTGGGTTTGGTGCCTTCTGACAGAG
 CCCTTGTGTTTGTGGACAACCATGATAATCAGCGAGGACATGGTCTGGAGGATCATCCATCCTGACATT
 CTGGGATGCTAGAATGTATAAAATGGCTGTGCGATTTATGTTGGCTCATCCTTATGGATTACAAGAGTA
 ATGTCAAGTTACCGTTGGAATAGAAATTTCCAGAATGGAAGATCAGAATGACTGGATTGGACCACCCA
 ATAACAATGGAGTAACAAAAGAAGTGACCATTAATGCAGACACTACTTGTGGCAATGACTGGGCTGTGA
 ACACAGATGGCGTCAAATCAGGAACATGGTTGCCCTTCAGGAATGTGGTCAATGGTCAGCCTTTTCAAAC
 TGGTGGGATAATAACAGCAACCAAGTAGCTTTAGCAGAGGAAACAGAGGATTCAATGTCTTTAAACAATG
 ATGACTGGGCTTTGTGAGCCACTTTACAGACTGGTCTTCTGCTGGCACATACTGTGATGTCATCTCTGG
 AGATAAGGTGATGGCAATTGCACTGGACTTAGAGTGAATGTTGGCAGTGATGGCAAAGCTCACTTTTCC
 ATTAGTAACCTGCTGAGGACCCATTTATTGCAATCCATGCTGACTCAAAATTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215410 protein sequence
 Red=Cloning site Green=Tags(s)

MKFLVLLSLIGFCWAQYDPHTSDGRTAIVHLFEWRWVDIAKECERYLAPKGFGGVQVSPNENNVVHNPS
 RPWWERYQPISYKICTRSGNEDEFDMVTRCANNVGVRIYVDVINHMCGAGNPAGTSSTCGSYLNPNNRE
 FPAVPYSAWDFNDNKCNGEIDNYNDAYQVRNCRLTGLLDLALEKDYVRTKVADYMNHLIDIGVAGFRLDA
 AKHMWPGDIKAVLDKHLNLTWFSQGSRPFIQFEVIDLGGEAIKGYSEYFGNGRVTEFKYGAKLGTVIRK
 WNGEKMSYLKNWGEWGLVPSDRALVFVDNHDNRGHGAGGSSILTFWDARMYKMAVGFMALHPYGFTRV
 MSSYRWNRNFQNGKDQNDWIGPPNNNGVTKEVTINADTTGNDWVCEHRWRQIRNMVAFRNVVNGQPFSSN
 WWDNNSNQVAFSRGNRGFIVFNDDWALSATLQTGLPAGTYCDVISGDKVDGNGCTGLRVNVGSDGKAHFS
 ISNSAEDPFIAIHADSKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-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

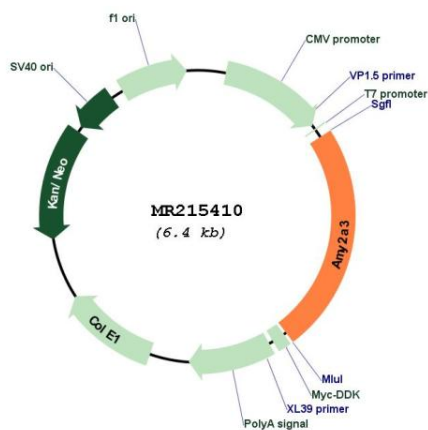
Locus ID: 100043686

UniProt ID: [P00688](#)

Cytogenetics: 3

MW: 57.3 kDa

Product images:



Circular map for MR215410