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Product datasheet for MG215408

Amy2a4 (NM_001160150) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amy2a4 (NM_001160150) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Amy2a4
Synonyms:	ENSMUSG00000074267; mAmy2-3; OTTMUSG00000022433
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

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ORF Nucleotide Sequence:

>MG215408 representing NM_001160150
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGTTCGTTCTGCTGCTTTCCCTCATTGGGTTCTGCTGGGCTCAATATGACCCACATACTTCAGATG
GGAGGACTGCTATTGTCCACCTGTTCGAGTGGCGCTGGGTTGATATTGCCAAGGAATGTGAGCGATACTT
AGCTCCTAAGGGATTTGGAGGGGTGCAGGTCTCTCCACCCAATGAAAACGTTGTAGTTCATAACCCATCA
AGACCTTGGTGGGAAAGATACCAACCAATCAGCTATAAAATCTGCACAAGGTCTGGAAATGAAGATGAAT
TCAGAGACATGGTGACAAGGTGCAACAATGTTGGTGTCCGTATTTATGTGGATGCTGTCATTAACCACAT
GTGTGGCGCAGGCAATCCTGCAGGAACAAGCAGTACCTGTGGAAGTTACCTCAATCCAAATAACAGGGAA
TTCCCAGCAGTTCCATACTCTGCTTGGGACTTTAACGATAATAAATGTAATGGAGAAATTGATAACTACA
ATGATGCTTATCAGGTCAGAAATTGTCGTCTGACTGGCCTTCTGGATCTTGCACTTGAGAAAGATTATGT
TCGTACCAAGGTGGCTGACTATATGAACCATCTCATTGACATTGGAGTAGCAGGGTTCAGACTTGATGCT
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CCCTTGTGTTTGTGGACAACCATGATAATCAGCGAGGACATGGTGCTGGAGGATCATCCATCCTGACATT
CTGGGATGCTAGAATGTATAAAATGGCTGTCGGATTTATGTTGGCTCATCCTTATGGATTCACAAGAGTA
ATGTCAAGTTACCGTTGGAATAGAAATTTCCAGAATGGAAAAGATCAGAATGACTGGATTGGACCACCCA
ATAACAATGGAGTAACAAAAGAAGTGACCATTAATGCAGACACTACTTGTGGCAATGACTGGGTCTGTGA
ACACAGATGGCGTCAAATCAGGAACATGGTTGCCTTCAGGAATGTGGTCAATGGTCAGCCTTTTTCAAAC
TGGTGGGATAATAACAGCAACCAAGTAGCTTTTAGCAGAGGAAACAGAGGATTCATTGTCTTTAACAATG
ATGACTGGGCTTTGTCAGCCACTTTACAGACTGGTCTTCCTGCTGGCACATACTGTGATGTCATCTCTGG
AGATAAGGTCGATGGCAATTGCACTGGACTTAGAGTGAATGTTGGCAGTGATGGCAAAGCTCACTTTTCC
ATTAGTAACTCTGCTGAGGACCCATTTATTGCAATCCATGCTGACTCAAAATTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG215408 representing NM_001160150
Red=Cloning site Green=Tags(s)

MKFVLLLSLIGFCWAQYDPHTSDGRTAIVHLFEWRWVDIAKECERYLAPKGFGGVQVSPPNENVVVHNPS
RPWWERYQPISYKICTRSGNEDEFRDMVTRCNNVGVRIYVDAVINHMCGAGNPAGTSSTCGSYLNPNNRE
FPAVPYSAWDFNDNKCNGEIDNYNDAYQVRNCRLTGLLDLALEKDYVRTKVADYMNHLIDIGVAGFRLDA
AKHMWPGDIKAVLDKLHNLNTKWFSQGSRPFIFQEVIDLGGEAIKGSEYFGNGRVTEFKYGAKLGTVIRK
WNGEKMSYLKNWGEGWGLVPSDRALVFVDNHDNQRGHGAGGSSILTFWDARMYKMAVGFMLAHPYGFTRV
MSSYRWNRNFQNGKDQNDWIGPPNNNGVTKEVTINADTTCGNDWVCEHRWRQIRNMVAFRNVVNGQPFSN
WWDNNSNQVAFSRGNRGFIVFNNDDWALSATLQTGLPAGTYCDVISGDKVDGNCTGLRVNVGSDGKAHFS
ISNSAEDPFIAIHADSKL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

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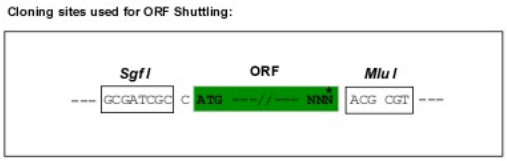
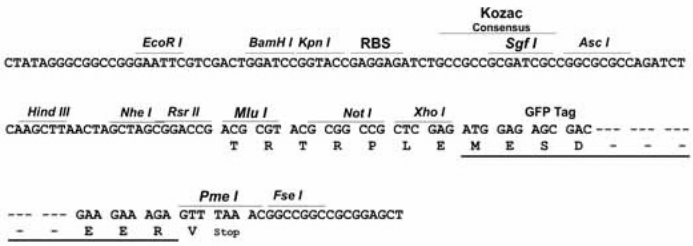
Cloning Scheme:





ACCN:	NM_001160150
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.
RefSeq:	NM_001160150.1, NP_001153622.1
RefSeq Size:	3723 bp
RefSeq ORF:	1527 bp
Locus ID:	100043684
UniProt ID:	P00688
Cytogenetics:	3

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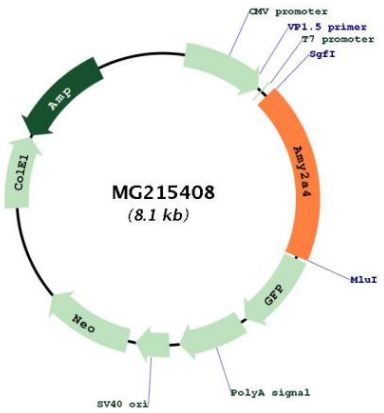
Product images:



Circular map for MG215408

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