

Product datasheet for **MC218085**

Amy2 (BC094924) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amy2 (BC094924) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Amy2
Synonyms:	1810008N23Rik; Amy-2; Amy2; mAmy2-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC218085 representing BC094924
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGTTCGTTCTGCTGCTTTCCCTCATTGGGTTCTGCTGGGCTCAATATGACCCACATACTTCAGATG
GGAGACTGCTATTGTCCACCTGTTTCGAGTGGCGCTGGGTTGATATTGCCAAGGAATGTGAGCGATACTT
AGCTCCTAAGGGATTTGGAGGGGTGCAGGTCTCTCCACCAATGAAAACGTTGTAGTTCATAACCCATCA
AGACCTTGGTGGGAAAGATACCAACCAATCAGCTATAAAATCTGCACAAGGTCTGGAAATGAAGATGAAT
TCAGAGACATGGTGACAAGGTGCAACAATGTTGGTGTCCGATTTATGTGGATGCTGTCATTAACCCAT
GTGTGGCGCAGGCAATCCTGCAGGAACAAGCAGTACCTGTGGAAGTTACCTCAATCCAAATAACAGGGAA
TTCCCAGCAGTTCATACTCTGCTTGGGACTTTAACGATAATAAATGTAATGGAGAAATTGATAACTACA
ATGATGCTTATCAGGTCAGAAATGTCTGCTGACTGGCCTTCTGGATCTTGCCTTGAGAAAGATTATGT
TCGTACCAAGGTGGCTGACTATATGAACCATCTCATTGACATTGGAGTAGCAGGGTTCAGACTTGATGCT
GCTAAGCACATGTGGCCTGGAGACATAAAGGCAGTTTTGGACAACTGCATAATCTCAATACAAAATGGT
TCTCCAAGGAAGCAGACCTTTCATTTTCCAAGAGGTCATTGATCTGGTGGTGAGGCAATTAAGGTAG
TGAGTACTTTGGAAATGGCCGTGTGACAGAATCAAGTATGGTGCAAACTTGGCACAGTTATCCGCAAG
TGGAAATGGCGAGAAGATGCCTATTTAAAGAACTGGGGAGAAGGTTGGGTTTGGTGCCTTCTGACAGAG
CCCTTGTGTTTGTGGACAACCATGATAATCAGCGAGGACATGGTCTGGAGGATCATCCATCCTGACATT
CTGGGATGCTAGAATGTATAAAATGGCTGTCCGATTTATGTTGGCTCATCCTTATGGATTCACAAGAGTA
ATGTCAAGTTACCGTTGGAATAGAAATTTCCAGAATGGAAAAGATCAGAATGACTGGATTGGACCACCCA
ATAACAATGGAGTAACAAAAGAAGTGACCATTAATGCAGACACTACTTGTGGCAATGACTGGGCTGTGA
ACACAGATGGCGTCAAATCAGGAACATGGTTGCCTTTCAGGAATGTGGTCAATGGTCAGCCTTTTTCAAAC
TGGTGGGATAATAACAGCAACCAAGTAGCTTTTAGCAGAGGAAACAGAGGATTATTGTCTTTAACAATG
ATGACTGGGCTTTGTGAGCCACTTTACAGACTGGTCTTCTGCTGGCACATACTGTGATGTCATCTCTGG
AGATAAGGTGATGGCAATTGCACTGGACTTAGAGTGAATGTTGGCAGTGTGGCAAAGCTCACTTTTCC
ATTAGTAACTCTGCTGAGGACCCATTTATTGCAATCCATGCTGACTCAAATTTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1953_b11.zip

Restriction Sites: SgfI-MluI

ACCN: BC094924

Insert Size: 1527 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [BC094924](#), [AAH94924](#)

RefSeq Size: 1589 bp

RefSeq ORF: 1526 bp

Locus ID: 11723