

## Product datasheet for **MC217252**

### **Amy2a4 (NM\_001160150) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Amy2a4 (NM_001160150) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Amy2a4
Synonyms:	ENSMUSG00000074267; mAmy2-3; OTTMUSG00000022433
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217252 representing NM\_001160150  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGTTCGTTCTGCTGCTTTCCCTCATTGGGTTCTGCTGGGCTCAATATGACCCACATACTTCAGATG  
 GGAGGACTGCTATTGTCCACCTGTTGAGTGGCGCTGGGTTGATATTGCCAAGGAATGTGAGCGATACTT  
 AGCTCCTAAGGGATTTGGAGGGGTGACAGTCTCTCCACCAATGAAAACGTTGTAGTTCATAACCCATCA  
 AGACCTTGGTGGGAAAGATACCAACCAATCAGCTATAAAATCTGCACAAGGTCTGGAAATGAAGTGAAT  
 TCAGAGACATGGTGACAAGGTGCAACAATGTTGGTGTCCGATTTATGTGGATGCTGTCATTAACCCAT  
 GTGTGGCGCAGGCAATCCTGCAGGAACAAGCAGTACCTGTGGAAGTTACCTCAATCCAAATAACAGGGAA  
 TTCCCAGCAGTTCATACTCTGCTTGGGACTTTAACGATAATAAATGTAATGGAGAAATTGATAACTACA  
 ATGATGCTTATCAGGTCAGAAATGTCGCTGACTGGCCTTCTGGATCTTGCACTTGAGAAAGATTATGT  
 TCGTACCAAGGTGGCTGACTATATGAACCATCTCATTGACATTGGAGTAGCAGGGTTCAGACTTGATGCT  
 GCTAAGCACATGTGGCCTGGAGACATAAAGGCAGTTTTGGACAACTGCATAATCTCAATACAAAATGGT  
 TCTCCCAAGGAAGCAGACCTTTCATTTTCCAAGAGGTCATTGATCTGGGTGGTGAGGCAATTAAGGTAG  
 TGAGTACTTTGGAAATGGCCGTGTGACAGAATCAAGTATGGTGCAAACTTGGCACAGTTATCCGCAAG  
 TGGAAATGGCGAGAAGATGCCTATTTAAAGAACTGGGGAGAAGGTTGGGTTTGGTGCCTTCTGACAGAG  
 CCCTTGTGTTTGGGACAACCATGATAATCAGCGAGGACATGGTCTGGAGGATCATCCATCCTGACATT  
 CTGGGATGCTAGAATGTATAAAATGGCTGTCCGATTTATGTTGGCTCATCCTTATGGATTACAAGAGTA  
 ATGCAAGTACCCTTGGAAATAGAAATTTCCAGAATGGAAAAGATCAGAATGACTGGATTGGACCACCCA  
 ATAACAATGGAGTAACAAAAGAAGTGACCATTAATGCAGACACTACTTGTGGCAATGACTGGGTCTGTGA  
 ACACAGATGGCGTCAAATCAGGAACATGGTTGCCTTTCAGGAATGTGGTCAATGGTCAGCCTTTTTCAAAC  
 TGGTGGGATAATAACAGCAACCAAGTAGCTTTTAGCAGAGGAAACAGAGGATTATTGTCTTTAAACAATG  
 ATGACTGGGCTTTGTCAGCCACTTTACAGACTGGTCTTCTGCTGGCACATACTGTGATGTCATCTCTGG  
 AGATAAGTTCGATGGCAATTGCACTGGACTTAGAGTGAATGTTGGCAGTGATGGCAAAGCTCACTTTTCC  
 ATTAGTAACCTGCTGAGGACCCATTTATTGCAATCCATGCTGACTCAAATTGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001160150

**Insert Size:** 1527 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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