

Product datasheet for **MC216076**

Amy2b (NM_001190403) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amy2b (NM_001190403) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Amy2b
Synonyms:	Amy-X; Amy2-2; mAmy2-1; OTTMUSG00000022462
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC216076 representing NM_001190403
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGTTCGTTCTGCTGCTTTCCCTCATTGGGTTCTGCTGGGCTCAATATGACCCACATACTTCAGATG
 GGAGACTGCTATTGTCCACCTGTTTCGAGTGCCGCTGGGTTGATATTGCCAAGGAATGTGAGCGATACTT
 AGCTCCTAAGGGATTTGGAGGGGTGCAGGTCTCTCCACCAATGAAAATATTGTAATTCATAACCCATCA
 AGGCCCTTGGTGGGAAAGATATCAACCAATCAGCTACAAAATTTGCACAAGGTCTGGAAATGAAGATGAAT
 TCAGAGACATGGTGACAAGGTGCAACAATGTTGGTGTCCGATTTATGTGGATGCTGTCATTAACCCAT
 GTGTGGCTCAGGCAATCCTGCAGGAACAAGCAGTACCTGTGGAAGTTACCTCAATCCAAATAACAGGGAA
 TTCCCAGCAGTTCATACTCTGCTTGGGACTTTAACGATAATAAATGTAATGGAGAAATTAGTAACTACA
 ATGATGCTTATCAGGTCAGAAATGTCTGTCTGCTGGCCTTCTGGATCTTGCCTTGAGAAAGATTATGT
 TCGTACCAAGGTTATTGATCTGGGTGGTGGAGCAATTAAGGTAGTGAGTACTTTGGAAATGGCCGTGTA
 ACAGAATTCAGTTTGGTGCAAACTTGGCACAGTTATCCGCAAGTGAATGGAGAGAAGATGTCCTATT
 TAAAGAACTGGGAGAAGGTTGGGGTTTGGTGCCTTCTGCAGAGCCCTTGTGTTTGTGGACAACCATGA
 CAATCAGCGAGGACATGGTGTGGAGGATCATCCATCCTGACATTCTGGGATGCTAGAATGTACAAAATG
 GCTGTTGGATTTATGTTGGCTCATCCTTATGGATTACAAGAGTAATGTCAAGTTACCGTTGGAATAGAA
 ATTTCCAGAATGGAAAAGATCAGAACTGACTGGATTGGACCACCTAATAACAATGGAGTAACAAAAGAAGT
 GACCATTAATGCAGACACTACTTGTGGCAATGACTGGGCTGTGAACATAGATGGCGTCAATAAGGAAC
 ATGGTTGCCTTCAGGAATGTAGTCAATGGTCAGCCTTTTGCAAACTGGTGGGATAATAACAGCAACCAAG
 TAGCTTTTAGCAGAGAAACAGAGGCTTCATTGTCTTTAACAATGATGACTGGGCTTTGTCAGCCACTTT
 ACAGACTGGTCTTCTGCTGGCACATACTGTGATGTCATCTCTGGAGATAAGGTCGATGGCAATTGCACT
 GGACTTAAAGTAAATGTTGGCAGTGATGGTAAAGCTCACTTTTCCATTAGTAACCTGCTGAGGACCCAT
 TTATTGCAATCCATGCTGACTCAAACTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001190403

Insert Size: 1362 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_001190403.1](#), [NP_001177332.1](#)

RefSeq Size: 1413 bp

RefSeq ORF: 1362 bp

Locus ID: 545562

Cytogenetics: 3 49.35 cM

Gene Summary: Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The mouse genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or pancreas. This gene encodes an amylase isoenzyme produced by the pancreas. At least one mouse strain has a non-functional allele of this gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2011]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.