OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC215107

Amy2b (NM_001190404) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amy2b (NM_001190404) 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
Fully Sequenced ORF:	>MC215107 representing NM_001190404 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAAGTTCGTTCTGCTGCTTTCCCTCATTGGGTTCTGCTGGGCTCAATATGACCCACATACTTCAGATG GGAGGACTGCTATTGTCCACCTGTTCGAGTGGCGCTGGGTTGATATTGCCAAGGAATGTGAGCGATACTT AGCTCCTAAGGGATTTGGAGGGGTGCAGGTCTCTCCACCCAATGAAAATATTGTAATTCATAACCCATCA AGGCCTTGGTGGGAAAGATATCAACCAATCAGCTACAAAATTTGCACAAGGTCTGGAAATGAAGATGAAT TCAGAGACATGGTGACAAGGTGCAACAATGTTGGTGTCCGTATTTATGTGGATGCTGTCATTAACCACAT GTGTGGCTCAGGCAATCCTGCAGGAACAAGCAGTACCTGTGGAAGTTACCTCAATCCAAATAACAGGGAA TTCCCAGCAGTTCCATACTCTGCTTGGGACTTTAACGATAATAAATGTAATGGAGAAATTAGTAACTACA ATGATGCTTATCAGGTTATTGATCTGGGTGGTGAGGCAATTAAAGGTAGTGAGTACTTTGGAAATGGCCG TGTAACAGAATTCAAGTTTGGTGCAAAACTTGGCACAGTTATCCGCAAGTGGAATGGAGAGAAGATGTCC TATTTAAAGAACTGGGGAGAAGGTTGGGGTTTGGTGCCTTCTGACAGAGCCCTTGTGTTTGTGGACAACC ATGACAATCAGCGAGGACATGGTGCTGGAGGATCATCCATCCTGACATTCTGGGATGCTAGAATGTACAA AATGGCTGTTGGATTTATGTTGGCTCATCCTTATGGATTCACAAGAGTAATGTCAAGTTACCGTTGGAAT AGAAATTTCCAGAATGGAAAAGATCAGAATGACTGGATTGGACCACCTAATAACAATGGAGTAACAAAAG AAGTGACCATTAATGCAGACACTACTTGTGGCAATGACTGGGTCTGTGAACATAGATGGCGTCAAATAAG GAACATGGTTGCCTTCAGGAATGTAGTCAATGGTCAGCCTTTTGCAAACTGGTGGGATAATAACAGCAAC CAAGTAGCTTTTAGCAGAGGAAACAGAGGCTTCATTGTCTTTAACAATGATGACTGGGCTTTGTCAGCCA CTTTACAGACTGGTCTTCCTGCTGGCACATACTGTGATGTCATCTCTGGAGATAAGGTCGATGGCAATTG CACTGGACTTAAAGTAAATGTTGGCAGTGATGGTAAAGCTCACTTTTCCATTAGTAACTCTGCTGAGGAC CCATTTATTGCAATCCATGCTGACTCAAAACTGTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001190404
Insert Size:	1296 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_001190404.1, NP_001177333.1
RefSeq Size:	1347 bp
RefSeq ORF:	1296 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 (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to 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.