

## Product datasheet for **RN211697**

### **Amy1a (NM\_001010970) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Amy1a (NM_001010970) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Amy1a
Synonyms:	Amy1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN211697 representing NM\_001010970  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGAGAATACTGCCAACATCATAGCAGAATGAAATTCTTCCTGCTGCTTCCCTCATTGGGCTCTGCT  
 GGGCCCAATATGACCCACATACTTTTTATGGACGGTCTTCTATTGTCCATTTGTTTCGAGTGGCGCTGGGT  
 TGATATTGCTAAGGAGTGTGAGCGATATTTAGCTCCTAATGGATTTGGAGGCGTGCAAGTTTCTCCACCC  
 AATGAAAATATTGGTCAACAGTCCTTTTAGACCATGGTGGAAAGATATCAACCAATTAGCTACAAAA  
 TATGCTCCAGGTCTGAAATGAGGATGAATTCAGAGACATGGTGAACAGATGCAACAACGTTGGTGTCCG  
 TATTTATGTGGATGCGGTCATTAATCACATGTGTGGGTTGGGGCTGAAGCTGGACAAAGCAGTACATGC  
 GGAAGTTATTTCAACCAATAACAGGGACTTTCCTGGAGTTCGGTATTCTGGTTTCGACTTTAATGATG  
 GAAATGTAAACTGGAAGTGGAGGCATTGAGAACTACAATGATGCTGCTCAGGTCAGAGATTGCTGCT  
 GTCTGGCCTTCTGGATCTTGCACTTGAGAAAGATTATGTTTCGACCAAGTGGCTGATTACATGAACCAT  
 CTATTGATATTGGTGTAGCAGGGTTCAGACTTGATGCTTCTAAACACATGTGGCCTGGAGACATAAAGG  
 CAGTTTTGGACAAACTACATAATCTAAATACAAAATGGTTCCTCGAAGGAAGCAAACCTTTCATTTATCA  
 AGAGGTCAATGATCTGGGTGGTGAAGCAGTGTCAAGTAATGAGTATTTGGAAATGGCCGTGTGACAGAA  
 TTCAAATATGGAGCAAACTGGGCAAAGTTTTGCGCAAGTGGATGGAGAAAAGATGGCCTACTTAAAGA  
 ACTGGGGAGAAGGTTGGGGTTTCATGCCTTCTGACAGAGCCCTTGCTTTTGTGGACAACCATGACAACCA  
 GCGAGGACATGGTGTGGAGGATCATCCATCCTGACTTCTGGGATGCTCGACTCTATAAAATGGCTGTC  
 GGATTTATGTTGGCTCATCCTTATGGTTCACTCGGGTAATGTCAAGTTTCCATTGGCCAAGATATTTTCG  
 AGAATGGCAAAGATGTCAATGACTGGGTTGGACCACCTAATAACAATGGAGCAACCAAAGAGTGACCAT  
 TAACTCAGACAGCACTTGTGGCAATGACTGGGTCTGTGAACATCGATGGCGTCAAATAAGGAACATGGTT  
 GCCTTCAGGAATGTGGTCAATGGTCAGCCTTTTGCAAAATGGTGGGATAATGGCAGCAACCAAGTAGCTT  
 TTGGCAGAGGAAACAAAGGCTTCATTGTCTTTAACAATGATGACTGGGACTTGTCAACAACCTCTACAGAC  
 TGGTCTTCTGCTGGCACATACTGTGATGCTATTCTGGAGACAAAGTCGATGGCAATTGCACTGGAATA  
 AAAGTCTATGTTGGCAGTATGGCAATGCTTACTTCTCTATTAGTAACTCTGCTGAAGACCCATTTCATTG  
 CAATCCATGTAGAGTCAAAAATC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001010970

**Insert Size:** 1566 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\\_001010970.1](#), [NP\\_001010970.1](#)

**RefSeq Size:** 1639 bp

**RefSeq ORF:** 1566 bp

**Locus ID:** 24203

**Cytogenetics:** 2q41