

Product datasheet for **RN217035**

Chat (NM_001170593) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chat (NM_001170593) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chat
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217035 representing NM_001170593
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCATCCTGAAAAGGCTCCCCAAAAGATGCCTGTAAAGGCTTCTAGCTGGGAGGAGCTGGACTTAC
CTAAATTACAGTGCCCCGCTGCAGCAAACCCTGGCCACCTACCTACAGTGCATGCAGCATCTGGTACC
TGAAGAGCAGTTCAGGAAGAGCCAGGCCATTGTGAAGCGGTTTGGGGCCCCTGGTGGCCTGGGTGAGACC
CTGCAGGAAAAGCTCTTGAGAGACAGGAGAAGACAGCCAATTGGGTCTCTGAATACTGGCTGAATGACA
TGTACCTGAACAACCGCCTGGCCCTGCCAGTCACTCCAGCCCTGCTGTGATCTTTGCTCGGCAGCACTT
CCAAGACACCAATGACCAGCTAAGATTTGCAGCCTGCCTCATCTCTGGTGTGCTTAGCTACAAAACCTCTG
CTGGACAGCCACTCCCTCCCAGTACTGGCCAAGGGGAGCTCTCAGGGCAGCCCTCTGTATGAAGC
AATATTACAGACTCTTCTCTTACCAGCTTCTGGCCATACCCAGGACACACTGGTGGCCAGAAGAG
CAGTATCATGCCGAGCCTGAGCATGTCTCGTGGCCTGCTGCAACCAGTTCTTTGTCTGGATGTTGTC
ATTAATTTCCGCGTCTCAGTGAGGGTGTCTGTTCACTCAGTTGAGAAAAGATAGTCAAAATGGCGTCCA
ACGAGGATGAACGCCTGCCTCCAATCGGCCTGCTGACGTGACACGGGAGGAGCGAGTGGGCCAAGGCCAG
GACGGTCTCTTAAAAGACTCCACCAACCGGGACTCCCTGGACATGATCGAGCGCTGCATCTGCCTGGTA
TGCTGGATGGTCCAGGCACAGGAGAGCTCAGTGACACCCACAGGGCCCTCCAACCTTCCAGGTGGAG
GCTGCAGCCTGAACGGAGCCAATCGCTGGTATGACAAGTCCCTGCAGTTCGTGGTGGGCCGAGATGGCAC
CTGCGGTGTGGTGTGAGCATTCTCCATTTGATGGCATCGTCTGGTGCAGTGCACAGAGCACCTGCTG
AAACATATGATGACAAGCAACAAGAAGCTCGTCAGGGCTGACTCAGTGAGTGAGCTCCCTGCCCCAGAA
GGCTGAGGTGAAATGTTCCCCAGAAACCAAGGCCATCTCGCTCCTCAGCAGAGAAAACCTCAAAGAAT
AGTAAAGAATCTGGATTTCAATTGTTTACAAGTTTGACAACACTATGGAAAAACATTTATCAAGAAGCAGAAA
TACAGCCCCGACGGCTTCATCCAGGTGGCCCTCCAGCTGGCTTACTACAGGCTTTACCAGAGACTGGTGC
CCACCTATGAGAGCGCATCCATCCGCCGCTTCCAGGAAGGTGGGTGGACAACATCAGATCAGCCACTCC
AGAGGCTCTGGCTTTTGTGCAAGCCATGACTGACCACAAGGCTGCCATGCCGGCTTCTGAGAAACTGCAG
CTGCTGCAGACAGCCATGCAGGCCAGACTGAGTACACAGTCTGGCCATAACCGGCATGGCCATTGACA
ACCATCTTCTGGCACTGAGGGAGCTGGCCCGAGACCTGTGCAAAGAGCCACCTGAGATGTTTCATGGATGA
AACATACCTGATGAGCAACCGGTTTGTCTCTCCACCAGCCAGGTGCCACAACCATGGAGATGTTCTGC
TGTTATGGACCCGTGGTCCCAATGGCTATGGAGCCTGCTACAACCCCCAGCCGAGCCATCACCTTCT
GCATCTCCAGTTTTACAGCTGCAAAGAGACCTCGTCTGTGGAGTTTGGCGAAGCTGTGGGAGCGAGCCT
TGTTGACATGAGAGACCTCTGCAGTTCAAGGCAGCCTGCTGACAGCAAGCCACCAGCACCAAGGAAAAA
GCTAGGGGCCCAACCAAGCCAAGCAATCTTGACTCCAGCCACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001170593

Insert Size: 1935 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<ol style="list-style-type: none">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:	<u>NM_001170593.1, NP_001164064.1</u>
RefSeq Size:	3599 bp
RefSeq ORF:	1935 bp
Locus ID:	290567
Cytogenetics:	16p16