

Product datasheet for **MC220618**

Cbarp (NM_001195268) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cbarp (NM_001195268) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cbarp
Synonyms:	9630008F14; Dos; R29144/1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220618 representing NM_001195268
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAGCCACCGCCACCATGGCCACAGCGGCCGCACTACCGCCACTGTTGCCCTGACGACTTCGTGGG
 ACAATGCCACCAGCCGCCACGGCGGAGCCTGACCCCATCTTGACAACATATGTGCTGCTGGTGGTGGT
 GATGTGCTGTTGTTGAGGCACGCTGGTGGTGTCTGGCGTTCTTCTGCTCTGCAAACGCTGCTGG
 GAGGTGCACCAGCGCTTCAACAGGGCCATGGAGGAAGCAGAGAAGACCACCACTACTTATCTGGACAACG
 GCACCCACCTATAACAAGACCCGACTGCAGGGGGAAGACCCCGAGGGCCAGGACCCGAAACAGAGCG
 CTTCTAGCCACCAGCTCCACGGCCGCGCGTGTCTTCAACGAGGCTGCCCTGTTGAACAGAGCCGC
 AAGGCTCAGGACAAGGGCCGCGGTACACCCTGACAGAAGGGGATTTCCATCACCTCAAGATGCCCGCC
 TACCCACCTCCACCTACCGCCCTCAAATCGTACTATCCATGAGTGTGATTCGGGGGAGGCCAGTGC
 AGCGGCCACACCCACCCAGCTACCACCTCAAGGACAGCTTGGCTATTTCCAGCCCCCTGGGAAAACC
 CTACCGGCCACTCAGTCGGCCCGACTCCGCCCTGCCAGGAGTCCCTACAACCTCGTGGACTTCTCAG
 AGATCAGCCCCTCAACCTCCAGTACTCTGGGGAGGGCATTTCGTTAGATGCAGGTACCCGGGTGCCAA
 GGCTGCTGGGCTGAAACAGTGCCTGGGGAGATGGGCACAGGCTCCTCCGGTTCGGGCACTGTTTGGAA
 TTCTTCACTCGGCTACGCCGACATGCCAGCCTGGATGGAGCCAGCCCCTACTTCAAGGTCAAGAAATGGA
 AGCTGGAGCCAGCCAGAGAGCGTCCAGTCTGGACACGAGAGGTTCCCTAAGAGGCACCACTTTACAGCG
 GCAGCGGCAGCCAGTGCAGCATGGAGCAGGAGGGGACGTCCCCATGCCACTTCATTACGTACATT
 GCCAGCGCAGGCGACTCGGTGGCCTTCCACCCCCCGCCCTTCTGGCCAGCCCCACCGCCCGCC
 CCACTCTCGGCAGGCTAGAGGCAGCAGAGCGGGGAGGAGCGAGCCCTGAGACTCCTCCGGAGCATGG
 CATCAGTTTGGGGCCCGAGCATGCGCAGCAGCAGGACCCGAGCAAGAGCAGGACCCGAGCATGCACAG
 TGCAGCTACCGTACCTGTGGAGCCTTCGTGCTTCGCTCGAGCTCCATGCAGCCACTGCATCGGACCACA
 GCAGCAGCGCAATGACCGGACTCAGTGCAGCGGCGATAGCTCGGGCTCGGGTTCGGAGGTGGAGG
 GGCAGCACCCGCTTCCACCCCTCCGGAGTCTCCACCTGCTTTGAGGCCTAAGGACGGCGAAGCCCGC
 CGCCTGTACAGATGGACAGTGGCTATGCGAGCATCGAGGGCGCGGAGCAGGCGACGAAGTTTCAAGAC
 TTCTGCTCCAGCCGAGTCTCCCGCAGCCCGGAGCCTGGCCACGAGGCGCGCCGCGATTACAG
 CATCGACGAGAAGACGGACGCTTTTTCCATGAGTTCTGCGCCATGACCCTCATTTTGACGATGCACCG
 CGTCACCCGACAGTGCACATCCTCACACTCATGCGCGGAAGCAATGGCAACAGAGAGGACGGCAGCACA
 GCGACCCCGTGGTGCAGTGCAGCCACGCCCTGGAGTGGCCCGCCCTACACGTGCGCCATTACGCCG
 TGGGGACAGCGTTGATTGTCTCTGAAGGCCGTGCGCTGCCATCACGGGTGATGACCCATCCATTCT
 GTCATCGAGGAGGAGCCTGGCGGTGGAGGCGGTGGTTGCCAGGCTCTGGGTTGTGCGTTGAGCCCGCC
 GGGCCCTGCTAGACAAGCTAGCAGCCAGCTCGACGAGAGACTTCTCTCCCGTCTTGTGAGCCAGT
 TGCCATCCCAGGTGCTGATTGTGCTGCTGCTGCCCTACATCCCCTGACCACAGCCCGCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001195268
- Insert Size:** 2097 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_001195268.1](#), [NP_001182197.1](#)

RefSeq Size: 2978 bp

RefSeq ORF: 2097 bp

Locus ID: 100503659

UniProt ID: [Q66L44](#)

Cytogenetics: 10 C1

Gene Summary: Negatively regulates voltage-gated calcium channels by preventing the interaction between their alpha and beta subunits. Thereby, negatively regulates calcium channels activity at the plasma membrane and indirectly inhibits calcium-regulated exocytosis.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the shorter transcript but encodes the supported protein. There are no mouse full-length transcripts representing this exon combination; it is predicted based on partial transcript alignments and homology data. This RefSeq is incomplete at the 5' end due to lack full-length transcript support and splice pattern ambiguity in the 5' UTR.