

Product datasheet for **MC200563**

Cib2 (NM_019686) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cib2 (NM_019686) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cib2
Synonyms: 2810434I23Rik; AI449053
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC005739 sequence for NM_019686
CGGACCGTGGGCGGGCTCGGGCTCCAGACGCCCGATGGGAAGCAGCACTCGAAAGGGCGAGAGAC
GACGCCGCGGCCACCCATACCATCGCGGTACCATGGGAACAAGCAGACCATCTCACTGAAGAGCAGC
TGGACAACCTACCAGGACTGCACCTTCTCAATAAGAAGGACATCCTCAAGCTTCATGCACGTTCTATGA
GCTGGCTCCCAACCTCGTCCCGATGGACTACAGGAAGAGTCCCATCGTCCATGTACCCATGAGCCTCATC
ATTCAGATGCCGGAGCTCCGGGAGAATCCCTTCAAGAGAGGATTGTGGAGGCTTCTCCGAGGATGGCG
AGGGGAACCTCACCTTCAATGACTTTGTGGACATGTTCTCTGTGCTCTGCGAATCAGCGCCTCGGGAGCT
CAAGGCAAATATGCCTTCAAGATCTATGACTTCAACACTGACAATTTTATCTGTAAAGAAGACTTAGAG
ATGACGCTGGCCGACTACCAAGTCTGAGTTGGAAGAGGATGAGGTAGTGCTTGTGTGACAAAGTCA
TTGAAGAGGCTGACCTGGATGGTACGGCAAGCTGGGCTTTGCTGACTTTGAGGACATGATCGCCAAGGC
CCCTGATTTTCTCAGCACCTTCCACATTGAATCTGAAGACACTGCCAAGCCGTGGGGCCTAGAGCTG
CATCCTCTGGCCTGCTGTCTGTGCAGGTATGGTTTCCAAGTGCTCCAGGAAGGAGCTGTGCCTCTGGG
GTTCTCACCCATGGACATTTCTGTGGCCCTTTCAGCAAAAAAATTAATAAAAAATAAAATAAAATAAAA
TAAAAATAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_019686

Insert Size: 564 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).



[View online »](#)

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: [BC005739](#), [AAH05739](#)

RefSeq Size: 867 bp

RefSeq ORF: 564 bp

Locus ID: 56506

UniProt ID: [Q9Z309](#)

Cytogenetics: 9 A5.3

Gene Summary: Calcium-binding protein critical for proper photoreceptor cell maintenance and function. Plays a role in intracellular calcium homeostasis by decreasing ATP-induced calcium release (PubMed:23023331). May be involved in the mechanotransduction process (By similarity). [UniProtKB/Swiss-Prot Function]