

Product datasheet for **RN202769**

Cib2 (NM_001015010) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cib2 (NM_001015010) Rat Untagged Clone
Tag: Tag Free
Symbol: Cib2
Synonyms: MGC109329
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202769 representing NM_001015010
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGAATAAGCAGACCATCTTCACAGAAGAGCAGCTGGACAACCTACCAGGACTGCACCTTCTTCAATA
AGAAGGACATCCTCAAGCTTCATGCACGGTTCTATGAGCTGGCTCCCAACCTCGTCCCGATGGACTACAG
GAAGAGCCCATCGTCCACGTGCCATGAGCCTCATCATTAGATGCCGGAGCTCCGGGAGAATCCTTTC
AAGGAGAGGATTGTGGAGCTTCTCTGAGGACGGTGAGGGGAACCTCACCTTCAATGACTTTGTGGACA
TGTTCTCTGTGCTCTGTGAGTCGGCGCCTCGGGAGCTCAAGGCGAACTATGCCTTCAAGATCTATGACTT
CAACACTGACAATTTTCTGTAAAGAAGACTTAGAGCTGACACTGGCCAGACTTACTAAGTCAGAGCTG
GATGAAGATGAGGTAGTCTGTGTGTGACAAAGTCATTGAAGAAGCTGACCTGGACGGTGATGGCAAGC
TAGGCTTTGCCGACTTTGAGGACATGATCGCCAAGGCCCTGACTTTCTCAGCACTTCCACATCCGAAT
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001015010
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).
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_001015010.1, NP_001015010.1</u>
RefSeq Size:	1433 bp
RefSeq ORF:	564 bp
Locus ID:	300719
UniProt ID:	<u>Q568Z7</u>
Cytogenetics:	8q24
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. May be involved in the mechanotransduction process.[UniProtKB/Swiss-Prot Function]