

## Product datasheet for **MC218210**

### **Nucb1 (NM\_001163662) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nucb1 (NM_001163662) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nucb1
Synonyms:	B230337F23Rik; C77483; Calnuc; MTEST82; Nucb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC218210 representing NM\_001163662  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTACCTCGGTGCCCGCGGGGCCCTTTTCTTCTCCTACCACCTCTACTGATGCTGTCTGCTGTGC  
 TGGCAGTGCCCGTGGACCGCGCAGCACCTCCTCAGGAGGACAGCCAGGCCACTGAGACCCCGACACGGG  
 CCTGTACTACCACCGGTACCTCCAGGAGGTCATCAACGTGCTAGAGACAGATGGGCACTTCCGGGAGAAG  
 CTGCAGGCTGCCAACGCTGAGGACATTAAGAGTGGAAAGCTGAGCCAAGAGCTGGACTTCGTGAGCCACA  
 ACGTCCGAACCAAGCTGGATGAGCTCAAGCGACAGGAGGTGTCGAGGCTGCGGATGCTGCTCAAGGCCAA  
 GATGGATGCAAAGCAGGAGCCCAACTTGCAGGTGGACCACATGAACCTCCTGAAGCAGTTTGAGCACCTG  
 GACCTCAGAACCAGCACACGTTTGGGCTCGGGACCTAGAGCTGCTGATCCAGACGGCCACCCGAGACC  
 TCGCCCAGTATGACGCTGCACACCATGAAGAGTTCAAACGCTACGAGATGCTCAAGGAACATGAGAGGAG  
 ACGATACCTGGAGTCTCTGGGAGAGGAGCAGCGGAAGGAGGCCGAGAGGAAGCTCCAAGAGCAACAGCGC  
 AGACACCGGGAACACCCAAAGTCAATGTTCTGGCAGCCAAGCCAGTTGAAGGAGGTGTGGGAGGAGT  
 TGGATGGATTGGACCCCAACAGTTCAACCCCAAGACCTTCTTACTACTGCATGACATCAACAGTATGG  
 TGTCTAGATGAGCAAGAAGTGGAAAGCTCTTTACCAAGGAGCTGGAGAAGGTGTATGACCCGAAGAAT  
 GAGGAGGATGACATGAGAGAGATGGAGGAAGAACGGCTTCGCATGCGGGAGCACGTGATGAAGAATGTGG  
 ACACCAACCAGGACCGGCTTGTGACCCTGGAGGAGTTCCTGGCATCCACCAGAGGAAGGAGTTCGGGGA  
 CACTGGGAGGGGTGGAAGACAGTGGAAATGTCCCAGCCTACACAGAGGAGGAGCTGAAGCGTTTTGAA  
 GAGGAGCTGGCTGCCCGGAAGCTGAGCTGAATGCCAGGGCCAGCGCCTCAGCCAGGAGACAGAGGCC  
 TGGGGCGCTCCCAGGACCGCCTGGAGGCACAGAAGAGAGAGCTGCAGCAGGCTGTTCTGCAGATGGAGCA  
 GAGGAAGCAGCAACTGCAAGAACAGAGCGCTCCGCCTTCAAACCTGACGGGCAGCTGCAGTCCGTGCA  
 GACACAGATGACGCTCCTGTCCCAGCTCCAGCAGGTGACCAGAAAGATGTGCTGCTTCTGAGAAGAAGG  
 TCCAGAGCAGCCCTGAGCTGCCACAGCTGGATTCCAGCATTTA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001163662

**Insert Size:** 1380 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\\_001163662.1](#), [NP\\_001157134.1](#)

RefSeq Size: 2639 bp

RefSeq ORF: 1380 bp

Locus ID: 18220

UniProt ID: [Q02819](#)

Cytogenetics: 7 B3

Gene Summary: Major calcium-binding protein of the Golgi. May have a role in calcium homeostasis (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).