

Product datasheet for **MC216124**

Nucb1 (NM_008749) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nucb1 (NM_008749) 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: >MC216124 representing NM_008749
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTACCTCGGTGCCCGCGGGGCCCTTTTCTTCTCCTACCACCTCTACTGATGCTGTCTGCTGTGC
 TGGCAGTGCCCGTGGACCGCGCAGCACCTCCTCAGGAGGACAGCCAGGCCACTGAGACCCCGACACGGG
 CCTGTACTACCACCGGTACCTCCAGGAGGTCATCAACGTGCTAGAGACAGATGGGCACTTCCGGGAGAAG
 CTGCAGGCTGCCAACGCTGAGGACATTAAGAGTGGAAAGCTGAGCCAAGAGCTGGACTTCGTGAGCCACA
 ACGTCCGAACCAAGCTGGATGAGCTCAAGCAGCAGGAGGTGTCGAGGCTGCGGATGCTGCTCAAGGCCAA
 GATGGATGCAAAGCAGGAGCCCAACTTGCAGGTGGACCACATGAACCTCCTGAAGCAGTTTGAGCACCTG
 GACCTCAGAACCAGCACACGTTTGAGGCTCGGGACCTAGAGCTGCTGATCCAGACGGCCACCCGAGACC
 TCGCCCAGTATGACGCTGCACACCATGAAGAGTCAAACGCTACGAGATGCTCAAGGAACATGAGAGGAG
 ACGATACCTGGAGTCTCTGGGAGAGGAGCAGCGGAAGGAGGCCGAGAGGAAGCTCCAAGAGCAACAGCGC
 AGACACCGGGAACACCCAAAGTCAATGTTCTGGCAGCCAAGCCAGTTGAAGGAGGTGTGGGAGGAGT
 TGGATGGATTGGACCCCAACAGTTCAACCCCAAGACCTTCTTACTGATGACATCAACAGTATGG
 TGTCTAGATGAGCAAGAAGTGGAAAGTCTTTACCAAGGAGCTGGAGAAGGTGTATGACCCGAAGAAT
 GAGGAGGATGACATGAGAGAGATGGAGGAAGAACGGCTTCGCATGCGGGAGCACGTGATGAAGAATGTGG
 ACACCAACCAGGACCGGCTTGTGACCCTGGAGGAGTTCCTGGCATCCACCAGAGGAAGGAGTTCGGGGA
 CACTGGGAGGGGTGGAAGACAGTGGAAATGTCCCAGCTACACAGAGGAGGAGCTGAAGCGTTTTGAA
 GAGGAGCTGGCTGCCCGGAAGCTGAGCTGAATGCCAGGGCCAGCGCTCAGCCAGGAGACAGAGGCC
 TGGGCGCTCCCAGGACCGCTGGAGGCACAGAAGAGAGAGCTGCAGCAGATGGAGCAGAGGAAGCAGCA
 ACTGCAAGAACAGAGCGCTCCCGCTTCCAAACCTGACGGGCAGCTGCAGTTCCGTGCAGACACAGATGAC
 GCTCCTGTCCCAGCTCCAGCAGGTGACCAGAAAGATGTGCTGCTTCTGAGAAGAAGTCCAGAGCAGC
 CCCCTGAGCTGCCACAGCTGGATTCCAGCATTTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_008749

Insert Size: 1368 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_008749.2](#), [NP_032775.1](#)

RefSeq Size: 2627 bp

RefSeq ORF: 1368 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 (2) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. This results in a shorter protein (isoform 2) compared to isoform 1.