

Product datasheet for **MR207335**

Nucb1 (NM_001163662) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR207335 representing NM_001163662
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCCTACCTCGGTGCCCGCGGGGCCCTTTTCTTCTCCTACCACCTCTACTGATGCTGTCTGCTGTGC
 TGGCAGTGCCCGTGGACCGCGCAGCACCTCCTCAGGAGGACAGCCAGGCCACTGAGACCCGGACACGGG
 CCTGTACTACCACCGGTACCTCCAGGAGGTCATCAACGTGCTAGAGACAGATGGGCACTTCGGGAGAAG
 CTGCAGGCTGCCAACGCTGAGGACATTAAGAGTGGAAAGCTGAGCCAAGAGCTGGACTTCGTGAGCCACA
 ACGTCCGAACCAAGCTGGATGAGCTCAAGCGACAGGAGGTGTCGAGGCTGCGGATGCTGCTCAAGGCCAA
 GATGGATGCAAAGCAGGAGCCCACTTGCAGGTGGACCACATGAACCTCCTGAAGCAGTTTGAGCACCTG
 GACCTCAGAACCAGCACAGTTTGGAGCTCGGGACCTAGAGCTGCTGATCCAGACGGCCACCCGAGACC
 TCGCCCAGTATGACGCTGCACACCATGAAGAGTTCAAACGCTACGAGATGCTCAAGGAACATGAGAGGAG
 ACGATACTGGAGTCTCTGGGAGAGGAGCAGCGGAAGGAGGCCGAGAGGAAGCTCCAAGGACAAACAGCGC
 AGACACCGGGAACACCCAAAGTCAATGTTCTGCGAGCCAAGCCAGTTGAAGGAGGTGTGGGAGGAGT
 TGGATGGATTGGACCCCAACAGTTCAACCCCAAGACCTTCTTACTGATGACATCAACAGTATGAGT
 TGTCTAGATGAGCAAGAAGTGGAGCTCTTTACCAAGGAGCTGGAGAAGGTGTATGACCCGAAGAAT
 GAGGAGGATGACATGAGAGAGATGGAGGAAGAACGGCTTCGCATGCGGGAGCACGTGATGAAGAATGTGG
 ACACCAACCAGGACCGGCTTGTGACCCTGGAGGAGTTCCTGGCATCCACCAGAGGAAGGAGTTCGGGGA
 CACTGGGAGGGGTGGAAGACAGTGGAAATGTCCCAGCCTACACAGAGGAGGAGCTGAAGCGTTTTGAA
 GAGGAGCTGGCTGCCCGGAAGCTGAGCTGAATGCCAGGGCCAGCGCCTCAGCCAGGAGACAGAGGCC
 TGGGGCGCTCCCAGGACCGCTGGAGGCACAGAAGAGAGAGCTGCAGCAGGCTGTTCTGCAGATGGAGCA
 GAGGAAGCAGCAACTGCAAGAACAGAGCGCTCCGCCTTCAAACCTGACGGGCAGCTGCAGTTCCGTGCA
 GACACAGATGACGCTCCTGTCCAGCTCCAGCAGGTGACCAGAAAGATGTGCTGCTTCTGAGAAGAAG
 TCCAGAGCAGCCCTGAGCTGCCACAGCTGGATTCCAGCATTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207335 representing NM_001163662
 Red=Cloning site Green=Tags(s)

MPTSVPRGAPFLLLPLLLMLSAVLAVPVDRAAPPQEDSQATETPDTGLYYHRYLQEVINLETGDFHFK
 LQANAEDIKSGKLSQELDFVSHNVRTKLDLKRQEVSRRLMLLKAKMDAQEPNLQVDHMNLLKQFEHL
 DPQNQHTFEARDLELLIQTATRDLAQYDAAHHEEFKRYEMLKEHERRRYLESLSGEEQRKEAERKLEQQR
 RHREHPKVNVPQSQAQLKEVWEELDGLDPNRFNPKTFFILHDINSDGVLDEQELEALFTKELEKVDYDKN
 EEDDMREMEERLRMREHVMKNVDNDRDLVTLEEFLLASTQRKEFGDTGEGWKTVMSPAYTEELKRF
 EELAAREAELNARAQRLSQETEALGRSQDRLEAQKRELQAVLQMEQRKQQLQEQSAPPSKPDGQLQFRA
 DTDDAPVPAPAGDQKDVPAASEKKVPEQPPELPQLDSQHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9045_b07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001163662

ORF Size: 1377 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

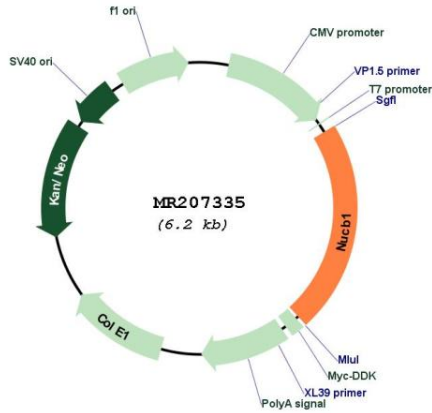
UniProt ID: [Q02819](#)

Cytogenetics: 7 B3

MW: 53.9 kDa

Gene Summary: Major calcium-binding protein of the Golgi. May have a role in calcium homeostasis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207335