

Product datasheet for **MG207335**

Nucb1 (BC072554) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nucb1 (BC072554) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nucb1
Synonyms:	MTEST82, Nucb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207335 representing BC072554
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTACCTCGGTGCCCGCGGGGCCCTTTTCTTCTCCTACCACCTCTACTGATGCTGTCTGCTGTGC
 TGGCAGTGCCCGTGGACCGCGCAGCACCTCCTCAGGAGGACAGCCAGGCCACTGAGACCCCGACACGGG
 CCTGTACTACCACCGGTACCTCCAGGAGGTCATCAACGTGCTAGAGACAGATGGGCACTTCGGGAGAAG
 CTGCAGGCTGCCAACGCTGAGGACATTAAGAGTGGAAAGCTGAGCCAAGAGCTGGACTTCGTCAGCCACA
 ACGTCCGAACCAAGCTGGATGAGCTCAAGCGACAGGAGGTGTCGAGGCTGCGGATGCTGCTCAAGGCCAA
 GATGGATGCAAAGCAGGAGCCCACTTGCAGGTGGACCACATGAACCTCCTGAAGCAGTTTGAGCACCTG
 GACCTCAGAACCAGCACACGTTTGAGGCTCGGGACCTAGAGCTGCTGATCCAGACGGCCACCCGAGACC
 TCGCCAGTATGACGCTGCACACCATGAAGAGTTCAAACGCTACGAGATGCTCAAGGAACATGAGAGGAG
 ACGATACCTGGAGTCTCTGGGAGAGGAGCAGCGGAAGGAGGCCGAGAGGAAGCTCCAAGGACAACAGCGC
 AGACACCGGGAACACCCAAAGTCAATGTTCTGGCAGCCAAGCCAGTTGAAGGAGGTGTGGGAGGAGT
 TGGATGGATTGGACCCCAACAGTTCAACCCCAAGACCTTCTTACTACTGCATGACATCAACAGTATGG
 TGTCTAGATGAGCAAGAAGTGGAAAGCTCTTTACCAAGGAGCTGGAGAAGGTGTATGACCCGAAGAAT
 GAGGAGGATGACATGAGAGAGATGGAGGAAGAACGGCTTCGCATGCGGGAGCACGTGATGAAGAATGTGG
 ACACCAACCAGGACCGGCTTGTGACCCTGGAGGAGTTCCTGGCATCCACCCAGAGGAAGGAGTTCGGGGA
 CACTGGGAGGGGTGGAAGACAGTGGAAATGTCCCAGCCTACACAGAGGAGGAGCTGAAGCGTTTTGAA
 GAGGAGCTGGCTGCCCGGAAGCTGAGCTGAATGCCAGGGCCAGCGCCTCAGCCAGGAGACAGAGGCC
 TGGGGCGCTCCAGGACCGCTGGAGGCACAGAAGAGAGAGCTGCAGCAGGCTGTTCTGCAGATGGAGCA
 GAGGAAGCAGCAACTGCAAGAACAGAGCGCTCCGCCTTCAAACCTGACGGGCAGCTGCAGTTCCTGTCA
 GACACAGATGACGCTCCTGTCCAGCTCCAGCAGGTGACCAGAAAGATGTGCCTGCTTCTGAGAAGAAG
 TCCAGAGCAGCCCTGAGCTGCCACAGCTGGATTCCAGCATTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207335 representing BC072554
 Red=Cloning site Green=Tags(s)

MPTSVPRGAPFLLLPLLLMLSAVLAVPVDRAAPPQEDSQATETPDTGLYYHRYLQEVINVLETDGHFREQ
 LQAANAEDIKSGKLSQELDFVSHNVRTKLDLKRQEVSRRLRMLLKAKMDAQEPNLQVDHMNLKQFEHL
 DPQNHQTFEARDLELLIQTATRDLAQYDAAHHEEFKRYEMLKEHERRRYLESLEEEQRKEAERKLQEQR
 RHREHPKVNVPQSQAQLKEVWEELDGLDPNRFNPKTFFILHDINSDGVLDEQELEALFTKELEKVDPKN
 EEDDMREMEERLRMREHVMKNVDTNQDRLVTLLEEFLASTQRKEFGDTGEGWKTVMESPAYTEELKRF
 EELAAREAEELNARAQRLSQETEALGRSQDRLEAQKRELQAVLQMEQRKQQLQEASPPSKPDGQLQFRA
 DTDDAPVPAPAGDQKDVPAASEKKVPEQPPELPQLDSQHL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC072554

ORF Size: 1379 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: [BC072554](#), [AAH72554](#)

RefSeq Size: 2459 bp

RefSeq ORF: 1379 bp

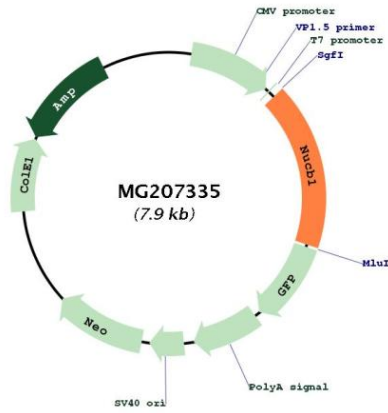
Locus ID: 18220

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]

Product images:



Circular map for MG207335