

Product datasheet for **RN201710**

Nucb1 (NM_053463) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nucb1 (NM_053463) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nucb1
Synonyms:	Nucb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201710 representing NM_053463
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTACCTCTGTGCCCGGGGCGCCTTTCTCTCTACCACCTTTACTGATGCTGTCTGCTGTGC
 TGGCAGTGCCTGTGGACCGCGCAGCACCTCATCAGGAGGACAACCAGGCCACTGAGACCCCGACACAGG
 CCTGTACTACCATCGGTACCTCCAGGAGGTCATCAACGTGCTAGAGACAGATGGGCACTTCCGGGAGAAG
 CTGCAAGCTGCCAACGCTGAGGACATTAAGAGTGGAAAGCTGAGTCAAGAGCTGGACTTCGTGAGCCACA
 ACGTCCGACCAAGCTGGATGAGCTCAAGCGACAGGAGGTATCAAGGCTTCGGATGCTGCTCAAGGCCAA
 GATGGATGCAAAGCAGGAGCCTAATTGCAGGTGGACCACATGAACCTTCTGAAGCAGTTTGAACACCTG
 GACCTCAGAACCAGCACACGTTTGGGCTCGGGACCTAGAGCTGCTGATCCAGACGGCCACCCGAGACC
 TCGCCCAGTATGACGCTGCACACCATGAAGAGTCAAACGCTACGAGATGCTCAAGGAACATGAGCGAAG
 ACGTTACCTGGAGTCTCTGGGAGAGGAGCAGCGGAAGGAGGCTGAGAGGAAGCTACAAGAGCAGCAGCGC
 AGACACCGGGAACACCCAAAGTCAATGTTCTGCGCAGCCAAGCCAGTTGAAGGAGGTGTGGGAGGAGC
 TAGATGGATTGGACCCCAACAGTTCAACCCCAAGACCTTCTTACTGATGACATCAACAGCGATGG
 TGTCTAGATGAGCAAGAAGTGGAAAGCTGTTTACCAAGGAGCTGGAGAAGGTGTACGACCCGAAGAAC
 GAGGAGGACGACATGAGGGAGATGGAGGAGGAGCGGCTGCGCATGCGGGAGCATGTGATGAAGAAGCTGG
 ACACCAACCAGGACCGACTTGTGACCCTGGAGGAATTCCTGGCATCCACACAGAGGAAGGAGTTTGGGGA
 AACTGCGGAGGGATGGAAGACAGTGGAAATGTATCCAGCTACACAGAGGAAGAGCTGAAGCGTTTTGAA
 GAGGAGCTTGTGCCCCGGGAGGCTGAGCTAAATGCCAGAGCCAGCGCCTCAGCCAGGAGACAGAGGCC
 TGGGGCGCTCCCAGGACCGCCTAGAGGCTCAGAAGAGAGAGCTGCAGCAGGCCGTTCTGCAGATGGAGCA
 AAGGAAGCAGCAACAGCAAGAGCAGAGCGCTCCGCCTTCCAACCTGATGGGCAGCTGCAGTTCCGTGCA
 GACACAGGGGATGCTCCTGTCCCAGCTCCAGCAGGTGACCAGAAAGACGTGCCTGCTTCTGAAAAGAAGG
 TTCAGAGCAGCCCTGTGCTGCCACAGCTGGATTCTCAGCATTTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053463

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_053463.1](#), [NP_445915.1](#)
RefSeq Size: 2303 bp
RefSeq ORF: 1380 bp
Locus ID: 84595
UniProt ID: [Q63083](#)
Cytogenetics: 1q22
Gene Summary: extracellular calcium binding protein of the mineralized matrix of bone [RGD, Feb 2006]