

## Product datasheet for **SC320256**

### Nucleobindin 1 (NUCB1) (NM\_006184) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nucleobindin 1 (NUCB1) (NM_006184) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nucleobindin 1
Synonyms:	CALNUC; NUC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_006184.3  
 GGAGAGACCACACTGCCATGCCTCCCTCTGGGCCCGAGGAACCCCTCCTTCTGTTGCCGC  
 TGCTGCTGCTGCTCCTGCTTCGCGCCGTGCTGGCTGTCCCCTGGAGCGAGGGGCGCCCA  
 ACAAGGAGGAGACCCCTGCGACTGAGAGTCCCACACAGGCTGTACTACCACCGGTACC  
 TCCAGGAGGTTCATCGATGACTGGAGACGGATGGGCATTTCCGAGAGAAGCTGCAGGCTG  
 CCAATGCGGAGGACATCAAGAGCGGGAAGCTGAGCCGAGAGCTGGACTTTGTGAGCCACC  
 ACGTCCGACCAAGCTGGATGAGCTCAAGCGACAGGAGGTGTACGGCTGCGGATGCTGC  
 TCAAGGCCAAGATGGACGCCGAGCAGGATCCCAATGTACAGGTGGATCATCTGAATCTCC  
 TGAACAGTTTGAACACCTGGACCCTCAGAACCAGCATACATTGAGGCCCGCGACCTGG  
 AGCTGCTGATCCAGACGGCCACCCGGGACCTTGCCAGTACGACGCAGCCATCATGAAG  
 AGTTCAAGCGCTACGAGATGCTTAAAGAACACGAGAGACGGCGTTATCTGGAGTCACTGG  
 GAGAGGAGCAGAGAAAGGAGGCGGAGAGGAAGCTGGAAGAGCAACAGCGCCGGCACCCGG  
 AGCACCCATAAAGTCAACGTGCCTGGCAGCAAGCCAGTTGAAGGAGGTGTGGGAGGAGC  
 TGGATGGACTGGACCCCAACAGGTTTAAACCCCAAGACCTTCTTCATACTGCATGATATCA  
 ACAGTGTGGTGTCTGGATGAGCAGGAGCTGGAGGCACCTTCCACCAAGGAGCTGGAGA  
 AAGTGTACGACCCAAAGAATGAGGAGGACGACATGCGGGAGATGGAGGAGGAGCGACTGC  
 GCATGCGGGAGCATGTGATGAAGAATGTGGACCAACACAGGACCGCCTCGTGACCTGG  
 AGGAGTTCCTCGCATCCACTCAGAGGAAGGAGTTTGGGGACACCGGGGAGGGCTGGGAGA  
 CAGTGGAGATGCACCCCTGCCTACACCGAGGAAGAGCTGAGGCGCTTTGAAGAGGAGCTGG  
 CTGCCCCGGGAGGCAGAGCTGAATGCCAAGGCCAGCGCCTCAGCCAGGAGACAGAGGCTC  
 TAGGGCGGTCCCAGGGCCGCCTGGAGGCCAGAAGAGAGAGCTGCAGCAGGCTGTGCTGC  
 ACATGGAGCAGCGGAAGCAGCAGCAGCAGCAGCAAGGCCACAAGGCCCGGCTGCC  
 ACCCTGAGGGGACGTCAAGTTCCACCCAGACACAGAGATGTACCTGTCCCAGCTCCAG  
 CCGGTGACCAGAAGGAGGTGGACACTTCAGAAAAGAACTTCTCGAGCGGCTCCCTGAGG  
 TTGAGGTGCCCGCATCTGTGATCCTCCGGGACCCAGCCCTCAGGATTCTGTATGCTC  
 CAAGGCGACTGATGGGCGCTGGATGAAGTGGCACAGTCAGCTTCCCTGGGGGCGGCTGTC  
 ATGTTGGGCTCCTGGGGCGGGGACGGCCTGGCATTTCACGCATTGCTGCCACCCAGG  
 TCCACCTGTCTCCACTTTCACAGCCTCCAAGTCTGTGGCTTTCCTTCTGTCTCCGAG  
 GGGCTTGCCTTCTCTCGTGTCCAGTGAGGTGCTCAGTGTGCGCTTAACTTAGAGAAGCC  
 CGCCCCCTCCCCTTCTCCGTCTGTCCCAAGAGGGTCTGCTCTGAGCCTGCGTTCTAGGT  
 GGCTCGGCTCAGCTGCCTGGGTTGTGGCCGCCCTAGCATCCTGTATGCCACAGCTACT  
 GGAATCCCGCTGCTGCTCCGGCCAAGCTTCTGGTTGATTAATGAGGGCATGGGGTGGT  
 CCCTCAAGACCTTCCCCTACCTTTTGTGGAACCAAGTGTGCTCAAGACAGTGTCCCCT  
 CCACAGCTGGGTGCCAGGGGCGAGGGATCCTCAGTATAGCCGGTGAACCCCTGATACCAGG  
 AGCCTGGGCTCCCTGAACCCCTGGCTTCCAGCCATCTCATCGCCAGCCTCCTCTGGAC  
 CTCTTGGCCCCAGCCCCCTCCACACAGCCCCAGAAGGGTCCCAGAGCTGACCCCACT  
 CCAGGACCTAGGCCAGCCCCCTCAGCCTCATCTGGAGCCCCTGAAGACCAGTCCCACCCA  
 CCTTTCTGGCCTCATCTGACACTGCTCCGCATCCTGCTGTGTGCTCCTGTTCCATGTTCCG  
 GTTCCATCCAAATACACTTTCTGGAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_006184

**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).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_006184.3</a> , <a href="#">NP_006175.2</a>
<b>RefSeq Size:</b>	2302 bp
<b>RefSeq ORF:</b>	1386 bp
<b>Locus ID:</b>	4924
<b>UniProt ID:</b>	<a href="#">Q02818</a>
<b>Cytogenetics:</b>	19q13.33
<b>Domains:</b>	EFh
<b>Gene Summary:</b>	This gene encodes a member of a small calcium-binding EF-hand protein family. The encoded protein is thought to have a key role in Golgi calcium homeostasis and Ca(2+)-regulated signal transduction events. [provided by RefSeq, Jun 2010]