

## Product datasheet for **MC219725**

### **Nub1 (NM\_016736) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nub1 (NM_016736) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nub1
Synonyms:	4931404D21Rik; 6330412F12Rik; BS4; NY-REN-18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >MC219725 representing NM\_016736  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGCAGAAGAAATATCTTCAAGCAAACACTGACTCAGTTTCTAAGGGAAGACAGAATCAACTTTGGA  
 AACCTCCATATACTAAAGAAAATAGGAAGTTGGTTTGGCCGTAAGGACCTTGCTAAGAAGTACTCTGA  
 GCGGCTGGAGTGTGTGAAAACGAAGTGGAAAACATAATCGAGGAAATCCGACGCAAAGCAATTGAGCGC  
 GGCACTGGGAATGAACACTACCGAACAACTGGGATCGCCACCATTGAGGTGTTCTGCCTCCAAGGCTCC  
 GGAAGCACGATAAGAAAAGCTTGTGGAGACCCGCTTGCATGTCCTGGTAGAGACCTGAGGTGTCAAAT  
 AGCTGAAACTTTCGATTTCAAGAAAATACATCAAGATCGTAATAAATAAGAAACAGCTTCAACTAGGG  
 AAAAGCCTTGAAGAACAAGGAGTCACTACAATGTGAAGCGATGGTACTGGAGCTGAAACAGTCTGAAG  
 AGGATGTGAGGAAAACCTACAGCTAGAGGAAGAGGAACAGAACGAGGCCGAGCTGAAGGAGAGACGCAT  
 TCAGAGGACCAAACGGGGACTGGAGATCCTGGCGGAGAGAGCTGAGATGGTGGTTGATCCGGAAACGATG  
 CCTACTTAGACATTGCGAACCAGACAGGCAGGCTCACTCAGAATTCCTCCCTGCAGAAAGAAAAGCCCTTA  
 TGTTAGCTATGGGATATCACGAGAAGGGCAGAGCTTTCCTGAAAAGAAAAGATGGAATAGCCCTGCC  
 CTGCCTCCTGGACGCTGACAGATACTTCTGTGAGTGCAAAGAGCTGCTGGACACTGTGGACAATATGCA  
 GTCCTCCAGCTGGACATTGTGTGGTGTTACTTCCGCTGGAACAGCTGGAATGCCTTGATGATGCAGAGA  
 AAAAGCTGAACTTGGCCAGAAATGCTTTAAAACTGTTACGGAGAGAATCACCAGAGACTGGTCCACAT  
 AAAAGGAAATGTGGGAAAGAGAAGGTGTTGTTTTAAGACTCTACTTGCTTCAGGGAATCCAAAACAT  
 CACAGTGGAAATGGAGAGGAAGCTCGGGAATATCTCAACAAGGCACGGCAGCTCTTTAAGGAGCTTTACA  
 TCGATCCATCAAAGTTCACAACCTGTTACAGTTGGGATTCAGTCCAGGAAAGCAGGCTGGCCCAATC  
 GGCTGCGATGGAAACGTGGACCATGCAGCCACTCACATTTCCAACCGCAGAGAGGAACCTGGCCCAATC  
 CGGAAGGAAGAGAAGGAGAAAAGGAGACGCCGTCTGAAAATGTCAACACTTTGAGAGGAATGGGCTACT  
 CCACACAAGCTGCCAAACAAGCCCTTACCAGGCCAGAGGCAACCTGGACGATGCCCTGAAGTTCTCCT  
 CAGCAACCCCCACATGTGGTGGTTACAGGATGCAGACCCTGAAAACAATAGCCGCAAGCAAGTCCCTCC  
 CAGGAAAGCATCAACCAGCTGGTGTACATGGGCTTTGACACAGTGGTGGCTGAAGCTGCACTAAGGGTGT  
 TTGGAGGCAATGCCAGCTGGCAGCTCAGACCCTGCACACCATGGAGGAAGCCTCCACCCGACCTGCA  
 GTTCTCAGGAGAGGACTCCTCCCCACACCGTCCACATCCCCTGACTCTGCAGGACCTCTAGTGCC  
 TCGACAGATGAAGACATGGAGACGGAGGCTGTCAACGAAATCCTGGAGGACATTCGGAGACGAGGAGG  
 ACTACCTGGACTCCACGCTGGAGGATGAAGAAGTCATTATTGCTGAATACTTGCTCCTACGTTGAAAGTAT  
 AAGTTCTGCCGAAAGAACA**CTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2016\\_d01.zip](https://cdn.origene.com/chromatograms/ja2016_d01.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_016736

**Insert Size:** 1845 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<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_016736.2</a> , <a href="#">NP_058016.2</a>
<b>RefSeq Size:</b>	3455 bp
<b>RefSeq ORF:</b>	1845 bp
<b>Locus ID:</b>	53312
<b>UniProt ID:</b>	<a href="#">P54729</a>
<b>Cytogenetics:</b>	5 A3
<b>Gene Summary:</b>	<p>Specific down-regulator of the NEDD8 conjugation system. Recruits NEDD8, UBD, and their conjugates to the proteasome for degradation (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and uses an alternate splice site in the 5' coding region, which results in use of a downstream start codon compared to variant 1. The encoded isoform (2) has a shorter N-terminus than isoform 1.</p>