

Product datasheet for **RR206815**

Nub1 (NM_001013925) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nub1 (NM_001013925) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nub1
Synonyms:	BS4; NYREN18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR206815 representing NM_001013925
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCAGAAGAAATATCTTCAAGCAAACACTGACCCAGTTTCTAAGGGAAGACAGAATCAACTTTGGA
 AACCTCCATATACTGAAGAAAATAAAGAAGTTGGTTGGCCTTAAAGGACCTTGCTAAGAGGTACTCCGA
 GCGGCTAGAGTGCTGTGAAAATGAAGTGGAAAACATAATAGAGGAAATCCGATGCAAAGCGATTGAGCGC
 GGCCTGGGAATGAGCACTACCGCACAACCTGGGATTGCTACGATTGAGGTGTTCTGCTCCGAGGCTCC
 GGAAGATAAGAAAAGCTTGTGGAGACCCGCTTGCATGTCAGTGGTAGAGACCTGAGGAGTAAAAAGC
 TGAACCTTTGGATTTCAAGAAAATTACATCAAGATCGTAATAAATAAGAAACAGCTTCACTAGGGAAA
 AGCCTTGAAGAGCAAGGAGTCACTACAATGTGAAGGCCATGGTGTGGAGCTGAAACAGTCTGAAGAGG
 ATGTGAGGAGAAACCTGCAGCTGGAGGAGGAGAACAGAACGAGGCTGAGCAGAAGGAGAAACGCATTCA
 GAGGACAAAAGGGGACTGGAGATCCTGGCCGAGAGAGCTGAGATGGTGGTAGACCCGAAACGATGCCT
 TACTTAGACATTGCGAACCACTGGCAGGTCAATCAGAATCCCCCTTCAGAAAGAAAAGCCCTAATGT
 TAGCCATGGGGTACCATGAGAAGGGCAGGGCTTCTGAAAAGAAAAGAGTATGGGATAGCCTTGCCATG
 CCTTCTGGACGCCGACAGATACTTCTGTGAGTGCAAAGAGCTGCTGGACACTGTGGACAACATATGCAGTC
 CTCCAGCTGGACATCGTGTGGTGTACTTCCGCTGGAACAGCTGGAGTGCCTTGATGATGCAGAGAAAA
 AGCTGAACCTGGCCAGACGTGCTTACAACTGTTACGGGGAGAATCACCAGAGACTGGTCAACATAAA
 AGGGAAGTGTGGAAAGAGAAGGTGTTGTTTTAAGACTCTACTTGTTCAGGGAATCCGAAACTATCAC
 AGTGGAAATGGAGAGGAGCTCGGGAATATCTCAACAAGGCACGTGAGCTCTTAAAGAGCTGTACATCG
 ACCCATCGAAAGTTCACAACCTTGTACAGTTGGGGTTCAGTCCCAAGAACGACGCTGGCCCTCGGGC
 CTGTGATGGGAAGTGGACACGACGACCACTCACATTTCCAACCGCAGAGAGGAACCTGGCCAGATACGG
 AAGGAAGAGAAGGAGAAGAGGAAACGCCGTCTGAAAAGTGTCAACACTTTGAGAGGAATGGGCTACTCCA
 CACAAGCTGCCAAACAAGCCCTTACCAGGCCAGAGGCAACCTGGACGATGCCCTGAAGATTCTCCTCAG
 CAACCCACATGTGGTGGTTACAGGATTCAGACTCTGAGAACACAGCCGGCAAGCAAGCCCTTCCCAA
 GAAAGCATCGACCAGCTGGTGTACATGGGCTTCGACACAGTGGTGGCCGAAGCTGCGCTGAGGGTGTG
 CAGGCAATGTCCAGCTGGCAGCTCAGACCCTGGCACACCATGGAGGAAGCCTCCCTCCTGACCTACAGT
 CTCAGGAGAGGACTCCTCCTCCACCCATCCACATCCCGTCTGACTCCGACGGACCTCTAGTGCCTCC
 ACGGATGAGGACATGGAGACAGAGGCCGTGAACGAAATCTGGAGGACATTCCGGAGCAGGAGAACT
 ACCTGGACTCCCACTGGAGGACGAAGAAGTATCATCGTGTGAGTACCTGCTCCTACGTGGACAGGACCAG
 TTCTGCCACAAAGGACAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206815 representing NM_001013925
 Red=Cloning site Green=Tags(s)

MAQKKYLQAKLTQFLREDRIQLWKPPYTEENKEVGLALKDLAKRYSERLECCENEVENIIEEIRCKAIER
 GTGNEHYRTTGIATIEVFLPPRLRKDKKSLLETRLHVTGRDLRSKIAETFGFQENYIKIVINKKQLQLGK
 SLEEQGVTHNVKAMVLELKQSEEDVRRNLQLEEEEQNEAEQKEKRIQRTKRGLIILAERAEMVDPETMP
 YLDIANQTGRSIRIPPSEKALMLAMGYHEKGRAFLKRKEYGIALPCLLDADRYFCECKELLDTVDNVAV
 LQLDIVWCYFRLEQLECLDDAEKLNLAQTCFTNICYGENHQRLVNIKNGCGKEKVLFLRLYLLQGIRNYH
 SNGGEEAREYLNKARQLFKELYIDPSKVHLLQLGFTAQEARLGLRACDGNVDHAATHISNRREELAQIR
 KEEKEKRKRRLSVNTLRMGYSTQAAKQALHQARGNLDALKILLSNPHMWWLQDSDSENNSRQASPSQ
 ESIDQLVYMGFDTVVAEALRVFAGNVQLAAQTLAHHGGSLLPDLQFSGEDSSSTPSTSPSDSAGTSSAS
 TDDEMETEAVNEILEDIPEHEEDYLDSTLEDEEVIIEYL SYVDRTSSATKDN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001013925

ORF Size: 1839 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_001013925.1](#), [NP_001013947.1](#)

RefSeq Size: 2569 bp

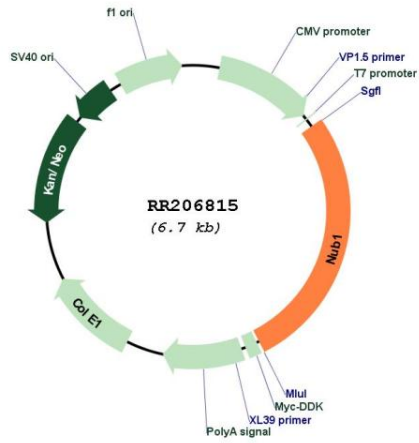
RefSeq ORF: 1842 bp

Locus ID: 296731

Cytogenetics: 4q11

MW: 70.2 kDa

Product images:



Circular map for RR206815