

## Product datasheet for RN209171

### Nckap1 (NM\_031618) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nckap1 (NM_031618) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nckap1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209171 representing NM_031618 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCGCGCTCCGTGCTGCAGCCAGTCAGCAGAAGCTGGCGGAGAAGCTCACCATCCTCAACGACCGGG  
GCGTCGGCATGCTCACGCGCCTCTACAACATCAAGAAGGCATGTGGAGATCCCAAGGCTAAACCATCCTA  
CCTTATTGACAAAAACCTGGAATCTGCTGTGAAATTCATAGTCAGAAAATTTCTGCTGTAGAAACACGC  
AACAAACAATCAACAGCTTGCACAACACAGAAAGAAAAATCAGAGATTCTGAAAAATCTGGCATTATATT  
ACTTTACATTTGTAGATGTTATGGAATTTAAGGACCATGTCTGTGACTTGCTGAATACTATCGACGCTCTG  
CCAAGTCTTTTATGATTAAGTGTGAACTTTGATTTAACAAGAAGTACTTAGACTTGACTGTGACCTAC  
ACAACATTAATGATACTGCTGTCCCGATTGAAGAAAGGAAGGCCATCATTGGACTGTACAATTATGCAC  
ATGAAATGACCCACGGAGCAAGTACCCGAGAATACCCACGCTTGGTCAGATGATTGTGGACTATGAACA  
CCCTTTAAGAAGATGATGGAAGAATTCGTACCCACAGCAAGTCTTTTCAGATGCGCTAATTTCTCTT  
CAGATGGTGTATCCTAGACGGAATCTTTCAGCAGATCAGTGGAGGAATGCCAGTTGTTGAGTCTCATCA  
GTGACCCAGTACAATGCTTAATCCTGCACAGTCTGACACCATGCCTTGTGAATATCTCTCTTTGGATGC  
AATGGAGAAATGGATTATCTTTGGCTTTATTCTGTGCCATGGGATGCTAAATACCGAGGCTACAGCACTG  
AACCTTTGGAAGCTAGCTCTTCAGAGTAGCTCCTGCCTCTCTCTTTCCGGATGAAGTTTTCCACATTC  
ACAAAGCTGCAGAAGATTTATTTGTAACATTCGGGGCTATAATAACCGATTAACGACATAAGAGAATG  
TAAGGAGGCGGCTGTATCCACGCTGGCTCAATGCACAGAGAGAGACGCAAGTTTTTACGGTCTGCACTG  
AAAGAAGTGGCAACTGCCTCTCGGATCAGCCTGGCTGCTTGGTCCCAAGGCACTTTTTGTTCATGG  
CATTATCTTTGCCCCTGATGAAATATCTGGCTACTCCGTCATGCAGACAACATGCCAAGAAGAGTGC  
AGATGACTTTATAGATAAGCACATTGCTGAGCTGATCTTTACATGGAGGAGCTCAGAGCAGATGTCAGG  
AAGTACGGCCTGTCATGCAGAGTACTACGTGCAGTACCTCCTCGGCTTCGATGCTGTTGTCCTTAACG  
AGCTTGTGCAGAATCTCTGTTTTGCCCTGAAGATGAATCAATCATCATGTCCTCTTTGTTAACCACAT  
GACTTCCCTAAGTGTGAAACAAGTTGAAGATGGGGAAGTGTGTTGATTTTCAGAGGAATGAGATTAGATTGG  
TTTAGGTTACAGGCATACACTAGTGTCTCAAAGCTTCACTTAGCCTTGCAGATCACCGAGAAGTTCGGAA  
AGATGATGAACACAATAATTTCCATACAAGATGGTCGATTCTTGGTGGAAATGTTGGTGGAAACATC  
CGATCTCCATATTTGTTTTTATAGCCGTGCTTTTGAAGATGTTTCAGCAGTGTTCAGGAGTTGCC



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TCTCAGTCGCGATACTCCATCGCCTTCTCTGCTCTGCACTCACTTCATGAGCTGCACACATGAGCTGT  
 GTCCCGAAGAGCGCCATCATATAGGGGATCGTAGCCTTCTCTGTGTAATATGTTCTCGATGAGATGGC  
 CAAACAAGCTCGGAACCTCATCACTGATATTTGCACAGAACAGTGTACTCTTAGTGACCAGTTACTGCCG  
 AAGCATTGTGCCAAAACCATCAGTCAAGCAGTGAATAAGAAGTCAAAAAACAGACTGGCAAGAAAGGGG  
 AACCTGAAAGGGAAAAGCCGGGTGTCGAGAGCATGAGGAAAACAGGCTGGTAGTACCAACCTTGATAA  
 GTTGCACACTGCACTTTCGGAGTTATGCTTCTCCATAAATTATGTTCCAAACATGGCAGTGTGGAAACAC  
 ACCTTACACCCGGGAGTACTTGACTTCTCATCTGAAAATCCGATTCATAAATCAATTTGGAATGA  
 CCATGTATAATCAGGCTACACAGGAGATTGCAAAGCCATCAGAACTTCTGACAAGCGTAAGAGCATATAT  
 GACTGTACTCCAGTCCATAGAGAACTACGTGCAGATTGATATCACCAGAGTATTTAATAATGTTCTCCTT  
 CAACAAACACAACACTTAGACAGCCATGGAGAACCAACCATCACAAGCCTGTATACAAATGGTACTTGG  
 AAACGTTATTAAGACAAGTCAGCAATGGCCATATAGCTTATTTTCTGCAATGAAAGCATTGTGAAATTT  
 ACCCACAGAAAATGAATTAACATTCAATGCAGAGGAATACTCTGATATATCAGAAATGAGGTCGTTGTCA  
 GAGCTCTTAGGCCATATGGGATGAAGTTCCTAAGCGAGAGTCTTATGTGCATATTTATCACAAAGTTG  
 CTGAACCTAAGAACTTGTGGTGGAGAATGTTGATGTTCTAACACAAATGAGGACCAGCTTTGACAAACC  
 AGACCAGATGGCTGCACTCTTTAAAAGATTATCATCTGTTGACAGTGTCTGAAAAGGATGACGATAATT  
 GGTGTTATTTATCCTTCCGGTCACTGGCACAAGAAGCACTGAGAGATGTTTTGTCTACCACATTCCTT  
 TTCTCGTGAGCTCCATTGAGGATTTCAAGGACCACATTCCACGGGAAACCGATATGAAGGTTGCAATGAA  
 TGTGTATGAGCTGTCATCTGCTGCTGGATTACCATGCGAGATTGATCCTGCCTTAGTAGTACTCTTTCC  
 TCACAAAATCAGAGAACATTAGTCCAGAAGAAGAATAAAGATCGCTTGCCTCCTGATGGTCTTTGTAG  
 CAGTTTCCCTGCCTACACTGGCCAGCAATGTGATGTCCAGTACAGCCCTGCAATAGAAGGACACTGCAA  
 CAATATTCATTGTCTGGCCAAAGCCATCAACCAAAATGCTGCTGCTTTGTTTACAATTACAAAGGAAGC  
 ATTGAAGACAGACTTAAAGAATTCCTGGCGCTTGCCTCCAGTCTACTGAAAAATCGGCCAAGAGACAG  
 ATAAAACACTACAACGAGAAAATAGAGAATCTGTTTATTTGCTACTGGATATGATTGTACAAGAATCACCGTT  
 CCTGACAATGGATCTCTTGAATCTTGTTCCTTATGTGTTGCTGAGAAATGCATACCACGCTGTCTAC  
 AAACAAAGTGTCACATCCTCTGCATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_031618

**Insert Size:**

3387 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\\_031618.1, NP\\_113806.1](#)

RefSeq Size: 4270 bp  
RefSeq ORF: 3387 bp  
Locus ID: 58823  
UniProt ID: [P55161](#)  
Cytogenetics: 3q24  
Gene Summary: interacts with Nck and may be involved in the downstream signaling of Nck [RGD, Feb 2006]