

Product datasheet for **RR210618**

Nudcd2 (NM_001009621) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nudcd2 (NM_001009621) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nudcd2
Synonyms: RGD1307203
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR210618 representing NM_001009621
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGCCCGTTTGAGGAGCGCAGCGGGTAGTTCCCTGCGCGACTCCGTGGGGACAGTGGTACCAGA
 CCCTGGAGGAGGTGTTTATTGAAGTCCAGGTGCCCGGGCACTCGCGCGCAGGACATCCAGTGTGGCCT
 GCAGATCGGCACGTGGCTCTGGCCGTGGTGGCCGCGAGATCCTCAAGGGAAATTGTTTGACTCTACA
 ATTGCTGATGAAGGAACATGGACTTTGGAGGATAGAAAGATGGTCCGCATCGTCTGACAAAACCAAGA
 GAGATGCTGCAAAGTGGACTTCCCTTCTAGAATCTGAATATGCAGCCGACCCCTGGGTGCAAGACCA
 AATGCAGAGGAACTTACGTTAGAGCGATTCCAGAAAGAGAATCCTGGGTTTGACTTTAGTGGAGCAGAA
 ATCTCAGGGAACACACAAAAGTGGACCAGATTTCTCAAACCTTGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210618 representing NM_001009621
 Red=Cloning site Green=Tags(s)

MSAPFEERSGVVPCATPWGQWYQTLLEEVFIEVQVPPGTRAQDIQCGLQSRHVALAVGGREILKGLFDST
 IADEGTWLTEDRKMVRIVLTKTKRDAANCWTSLLESEYAADPWQDQMQRKLTLERFQKENPGDFDSGAE
 ISGNYTKGGPDFSNLEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001009621

ORF Size: 471 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_001009621.2](#), [NP_001009621.1](#)

RefSeq Size: 1569 bp

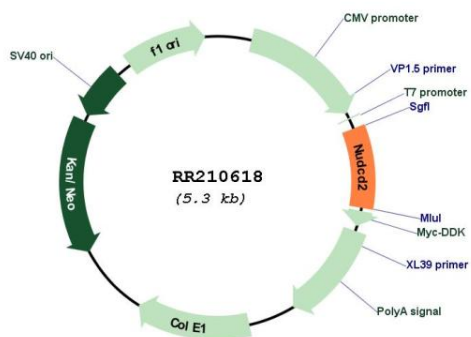
RefSeq ORF: 474 bp

Locus ID: 287199

UniProt ID: [Q5M823](#)

Cytogenetics: 10q12
 MW: 17.7 kDa
 Gene Summary: May regulate the LIS1/dynein pathway by stabilizing LIS1 with Hsp90 chaperone. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR210618