

Product datasheet for **RR210963**

Nck2 (NM_001108216) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nck2 (NM_001108216) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nck2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR210963 representing NM_001108216 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGAAGAAGTCATTGTGCATAGCCAAGTGGGACTACACTGCCAGCAGGACCAGGAGCTCGACATCA
GGAAGAACGAGCGGCTGTGGCTGCTGGACGACTCCAAGACGTGGTGGCGGGTGAAGAATGCGCCCAACAG
GACAGGCTACGTGCCTTCCAACACTCGTGGAGCGTAAGAACAGCCTGAAGAAGGGGTCCCTGGTGAAGAAT
CTCAAGGACACGCTAGGCCTCGGAAGACGCGGAGGAAGCCAAGTCTCGGGATGCGTCCCCAACGCCAA
GCACTGATGCGGAATACCCAGCCAATGGCAGCGGTGCTGACCGCATCTATGACCTCAACATCCCAGCCTT
CGTCAAGTTCGCCTACGTAGCAGAACGAGAGGATGAGCTGTCCCTGGTAAAAGGCTCCCGGGTACAGTT
ATGGAGAAATGCAGTGTGGCTGGTGGCGTGGCAGCTTTAACGGGCAGATCGGCTGGTCCCTCCAAC
ACGTGTTGGAGGAGCGGACGAGGCTGCAGCTGAGGCCCCAGCTTCTGAGCCTGCGTCCGGGCACTGC
GCTAAGCAATGGCAAGGTGCACGGGTGCTGCACGTGGTGCAGACGCTGTACCCCTCAGCTCTGCACT
GAGGAGGAGCTTAGTTTCGAGAAGGGGAGACCATGGAGGTGATTGAGAAGCCGGAGAATGACCCTGAAT
GGTGGAAATGAAAAATGCCCGAGGCCAAGTGGCCTGGTCCCCAAAACTATGTGGTTGCTCCTCAGTGA
TGGGCCTGCACTGCACCCACGCACACTCCACAGATCAGCTACACGGGCCCTCAGCCAGCGGGCGATT
GCCGGCCGTGAGTGGTACTATGGCAACGTGACACGGCACAGGCCGAGTGTGCGTCAATGAGCGGGGCG
TCGAGGGCGACTTCTCATTAGAGACAGCGAATCCTCGCCAGTGACTTCTCCGTGTCTCTCAAAGCATC
AGGGAGGAACAAGCACTTCAAAGTGCAGCTGGTGGACAGCGTCTACTGCATTGGGAGCGGGGTTCCAC
AGCATGGACGAGCTTGTGGAGCACTACAAGAAGGCCCCATCTTACCAGCGAGCACGGGGAGAAGCTCT
ACCTCGTCCGAGCCCTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210963 representing NM_001108216
Red=Cloning site Green=Tags(s)

MTEEVIVIAKWDYTAQQDQELDIRKNERLWLLDDSKTWWRVNRNAANRTGYVPSNYVERKNSLKKGSLVKN
 LKDTLGLGKTRRKPSARDASPTPSTDAEYPANGSGADRIYDLNIPAFVKFAYVAEREDEL SLVKGSRTV
 MEKCSDGWWRGSFNGQIGWFPNSVYVLEEADAEAAEAPSFLSLRRGTAL SNGQARVLHVVTLYPFSSVT
 EEEL SFEKGETMEVIEIKPENDPEWVKCKNARGQVGLVPKNYVVVLS DGPALHPTHTPQISYTGPSASGRF
 AGREWYYGNVTRHQAEALNERGVEGDFLIRDSESSPSDFSVSLKASGRNKHFKVQLVDSVYVICIGQRRFH
 SMDELVEHYKKAPIFTSEHGKLYLVRALQ

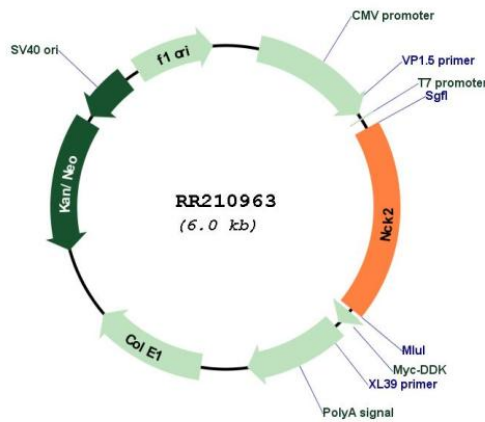
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108216

ORF Size:	1140 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:	<ol style="list-style-type: none">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_001108216.1 , NP_001101686.1
RefSeq Size:	2550 bp
RefSeq ORF:	1143 bp
Locus ID:	316369
Cytogenetics:	9q22
MW:	42.9 kDa