

Product datasheet for **MC209014**

Nck1 (NM_010878) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nck1 (NM_010878) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nck1
Synonyms: 6330586M15Rik; D230010O13Rik; Nck; Nck-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209014 representing NM_010878
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGAAGAAGTGGTGGTGGCCAAATTTGATTATGTGGCAGCAGGAACAAGAGCTGGATATCA
AGAAGAATGAGCGATTATGGCTCCTGGATGACTCTAAATCCTGGTGGCGAGTTCGAAATTCATGAATAA
AACAGGTTTTGTCCCTTCTAACTATGTGAAAGAAAAACAGTGCTCGAAAGCATCTATTGTTAAAAAC
CTGAAGGACACCTTAGGTATTGAAAAGTAAAAAGAAAACCCAGTGTCCAGATACTGCATCTCCTGCTG
ATGATAGCTTTGTTGATCCAGGAGAACGCTCTATGACCTTAACATGCCTGCTTTTGAAAAATTA
ACTA
CATGGCTGAGAGAGAGGATGAGTTGTCATTGATAAAAAGGGACCAAGGTGATCGTCATGGAGAAATGCAGT
GATGGATGGTGGCGTGGCAGCTACAACGGACAAATGGATGGTTTCCTTCAA
ACTATGTA
ACTGAAGAAG
GTGACAGTCCTTTGGGTGATCATGTAGGTTCTCTGTGAGAGAAATAGCAGCAGTTGTCAATAACCTAAA
TACGGGTCAAGTATTGCATGTTGTACAGGCTCTTACCGTTTAGCTCATCCAATGATGAAGA
ACTCAAT
TTTGAGAAAGGCGATGTAATGGATGTTATTGAAAAGCCGAAAAATGACCCAGAGTGGTGGAAATGCAGGA
AAATCAATGGCATGGTTGGCCTGGTGC
AAAAAACTACGTTACCATTATGCA
AAAACAATCCATTAACCTC
AGGTTTGGAAACCATCTCCTCCACAATGTGATTACATTAGGCCTTCACTCACTGGGAAGTTTGTCTGGCAAT
CCTTGGTATTATGGCAAAGTCA
CCAGGCACCGAGAAATGGCATTAAATGAAAGAGGGCATGAAGGAG
ACTTCTCATTCTGACAGTGAATCTTCG
C
CAATGATTTCTCAGTATCACTAAAAGCACAAGGGAAAA
CAAGCATTTTAAAGTCCAGCTGAAAGAGACTGTTTACTGCATTGGGCAGCGGAAATTCAGCACCATGGAG
GAACTTGTAGAACATTACAAAAAGGCACCGATCTTTACAAGTGAAGCAAGGAGAAAAATTATATCTCGTCA
AGCATTGTCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_010878
Insert Size:	1134 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:	<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:	<u>NM_010878.3</u> , <u>NP_035008.2</u>
RefSeq Size:	2467 bp
RefSeq ORF:	1134 bp
Locus ID:	17973
UniProt ID:	<u>Q99M51</u>
Cytogenetics:	9 E3.3
Gene Summary:	<p>Adapter protein which associates with tyrosine-phosphorylated growth factor receptors, such as KDR and PDGFRB, or their cellular substrates. Maintains low levels of EIF2S1 phosphorylation by promoting its dephosphorylation by PP1. Plays a role in the DNA damage response, not in the detection of the damage by ATM/ATR, but for efficient activation of downstream effectors, such as that of CHEK2. Plays a role in ELK1-dependent transcriptional activation in response to activated Ras signaling. Modulates the activation of EIF2AK2/PKR by dsRNA (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>