

## Product datasheet for MC209015

### Nck2 (NM\_010879) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nck2 (NM\_010879) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nck2  
**Synonyms:** 4833426I10Rik; Grb4; Nck-2; NCKbeta  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209015 representing NM\_010879  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACAGAAGAAGTCATTGTCATAGCCAAGTGGGACTACACTGCCAGCAGGACCAGGAGCTCGACATCA  
 GGAAGAACGAGCGTTGTGGCTGCTAGATGACTCCAAGACGTGGTGGCGGTGAGGAATGCTGCCAACAG  
 GACAGGCTACGTGCCTTCCAACATGTGGAGCGTAAGAACAGCCTGAAGAAGGGCTCCCTGGTGAAGAAC  
 CTCAAGGACACACTAGGCCTCGGAAAGACGCGCAGGAAGCCAAGCGCTCGGGATGCTTCCCAACGCCAA  
 GCACTGATGCGGAGTACCCAGCCAATGGCAGCGGTGCTGACCGCATCTATGACCTCAACATCCCAGCCTT  
 TGTCAAGTTTCGCTACGTAGCAGAACGAGAGGATGAGCTGTCCCTGGTGAAGGGCTCCCCTGTCACAGTT  
 ATGGAGAAATGCAGTGTGGCTGGTGGCGTGGCAGCTTCAACGGGCAGATCGGCTGGTCCCCTCCAAC  
 ACGTTTTGGAGGAAGCGGACGAAGCTGCGGCTGAGGCCCCAGCTTCTGAGCCTACGTCGGGGCACTGC  
 ACTGAGCAATGGGCAGGGTGCACGGGTGCTGCAGTGGTGCAGACGCTGTACCCCTCAGCTCGGTCACT  
 GAGGAGGAGCTTAGTTTTGAGAAGGGGGAGACCATGGAGGTGATTGAGAAGCCGGAGAATGACCCCTGAAT  
 GGTGAAAATGAAAAATGCCCGAGGCCAAGTGGCCTGGTCCCCAAAAACTACGTGGTTGTTCTCAGTGA  
 TGGCCTGCTCTGACCCCGCTCACACCCCCAGATCAGCTACACCGGCCCTTACGCCAGCGGGCGCTTT  
 GCTGGTGGGAGTGGTACTATGGCAACGTGACACGGCACCCAGGCCGAGTGTGCGTCAATGAGCGGGCG  
 TCGAGGGCGACTTCTCATTAGGGACAGCGAGTCTCGCCAGTGACTTCTCCGTGTCTCTCAAAGCGTC  
 AGGGAGAAACAAGCACTTCAAGGTGCAGCTGGTGGACAGCGTCTACTGCATTGGGCAGCGGGCTCCAC  
 AGCATGGACGAGCTTGTGGAGCACTACAAGAAGGCCCCCATCTTACCAGCGAGCACGGGGAGAAGCTCT  
 ACCTTGTCCGAGCCCTACAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_010879
<b>Insert Size:</b>	1143 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_010879.3</a></u> , <u><a href="#">NP_035009.3</a></u>
<b>RefSeq Size:</b>	2789 bp
<b>RefSeq ORF:</b>	1143 bp
<b>Locus ID:</b>	17974
<b>UniProt ID:</b>	<u><a href="#">O55033</a></u>
<b>Cytogenetics:</b>	1 C1.1
<b>Gene Summary:</b>	Adapter protein which associates with tyrosine-phosphorylated growth factor receptors or their cellular substrates. Maintains low levels of EIF2S1 phosphorylation by promoting its dephosphorylation by PP1. Plays a role in ELK1-dependent transcriptional activation in response to activated Ras signaling (By similarity).[UniProtKB/Swiss-Prot Function]