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Product datasheet for SC108190

Nck (NCK1) (NM_006153) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nck (NCK1) (NM_006153) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nck
Synonyms:	NCK; nck-1; NCKalpha
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC108190 sequence for NM_006153 edited (data generated by NextGen Sequencing)

ATGGCAGAAGAAGTGGTGGTAGTAGCCAAATTTGATTATGTGGCCCAACAAGAACAAGAG
TTGGACATCAAGAAGAATGAGAGATTATGGCTTCTGGATGATTCTAAGTCCTGGTGGCGA
GTTCGAAATTCCATGAATAAAACAGGTTTTGTGCCTTCTAACTATGTGGAAAGGAAAAAC
AGTGCTCGGAAAGCATCTATTGTGAAAAACCTAAAGGATACCTTAGGCATTGGAAAAGTG
AAAAGAAAACCTAGTGTGCCAGATTCTGCATCTCCTGCTGATGATAGTTTTGTTGACCCA
GGGGAACGTCTCTATGACCTCAACATGCCCGCTTATGTGAAATTTAACTACATGGCTGAG
AGAGAGGATGAATTATCATTGATAAAGGGGACAAAGGTGATCGTCATGGAGAAATGCAGT
GATGGGTGGTGGCGTGGTAGCTACAATGGACAAGTTGGATGGTTCCCTTCAAACTATGTA
ACTGAAGAAGGTGACAGTCCTTTGGGTGACCATGTGGGTTCTCTGTCAGAGAAATTAGCA
GCAGTCGTCAATAACCTAAATACTGGGCAAGTGTTGCATGTGGTACAGGCTCTTTACCCA
TTCAGCTCATCTAATGATGAAGAACTTAATTTCGAGAAAGGAGATGTAATGGATGTTATT
GAAAAACCTGAAAATGACCCAGAGTGGTGGAAATGCAGGAAGATCAATGGTATGGTTGGT
CTAGTACCAAAAAACTATGTTACCGTTATGCAGAATAATCCATTAACTTCAGGTTTGGAA
CCATCACCTCCACAGTGTGATTACATTAGGCCTTCACTCACTGGAAAGTTTGCTGGCAAT
CCTTGGTATTATGGCAAAGTCACCAGGCATCAAGCAGAAATGGCATTAAATGAAAGAGGA
CATGAAGGGGATTTCCTCATTCGTGATAGTGAATCTTCGCCAAATGATTTCTCAGTATCA
CTAAAAGCACAAGGGAAAAACAAGCATTTTAAAGTCCAACTAAAAGAGACTGTCTACTGC
ATTGGGCAGCGTAAATTCAGCACCATGGAAGAACTTGTAGAACATTACAAAAAGGCACCA
ATTTTTACAAGTGAACAAGGAGAAAAATTATATCTTGTCAAGCATTTATCATGA

Clone variation with respect to NM_006153.4

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006153 unedited
TGTCACATTTGTATACGACTCCTATAGGGCGGCCGCGAATTCGCACGAGGCCTCGTGCCG
AATTCGGCACGAGGCCGCCTCTCTCCCAAAAGCTACGCGGCGGCGGCGGAGCGCAGGCCT
CGTGCCGTTACGGCCATCACGGCGGCCGCAGTGGCGTCCTGGAGCCCTCCTCAGTGCTGA
AGCTGCTGAAAGATGGCAGAAGAAGTGGTGGTAGTAGCCAAATTTGATTATGTGGCCCAA
CAAGAACAAGAGTTGGACATCAAGAAGAATGAGAGATTATGGCTTCTGGATGATTCTAAG
TCCTGGTGGCGAGTTCGAAATTCCATGAATAAAACAGGTTTTGTGCCTTCTAACTATGTG
GAAAGGAAAAACAGTGCTCGGAAAGCATCTATTGTGAAAAACCTAAAGGATACCTTAGGC
ATTGGAAAAGTGAAAAGAAAACCTAGTGTGCCAGATTCTGCATCTCCTGCTGATGATAGT
TTTGTTGACCCAGGGGAACGTCTCTATGACCTCAACATGCCCGCTTATGTGAAATTTAAC
TACATGGCTGAGAGAGAGGATGAATTATCATTGATAAAGGGGACAAAGGTGATCGTCATG
GAGAAATGCAGTGATGGGTGGTGGCGTGGTAGCTACAATGGACAAGTTGGATGGTTCCCT
TCAAACTATGTAACTGAAGAAGGTGACAGTCCTTTGGGTGACCATGTGGNGTCTCTGTCA
GAGAAATTAGCAGCAGTCGTCAATAACCTANATACTGGGCAAGTGTTGCATGTGGTACAG
GCTCTTTACCCATTCAGCTCATCTAATGATGAAGAAACTTATTTCGAGAAAGGAGATGTA
ATGGATGNTATTGAAAAACCCTGAAATGACCCACAGTGGTGGAAATGCANNGAGACAATG
GTTTGGGTTGGTCTAGTACAAAAAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006153 unedited
CTATGAACCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTGGAAAAAAATAA
GTGATTTTTATTTCCAACAGTTGTAAATTAAAATTGTACAACATGTTTTCTAATCTATGT
CTCATGTGTCTTGCTGTATGACTGAAGACAATGAATGTATTTTTAAAAATTATGGCAGAC
ACAATATACTTGGTATTTACAATGGCCTGTGACAAATATAATACCTGGAAATAATTTCTA
ATTTTCCACTTATTATTGCTATTTAGTCACAGAAAAGATTAACACTCTCCAAGAAATTTT
AGCATATGTCATATATAGATATAATAATTTTATATAATGAAAAACCATAACAGAACAGGG
TGCCTTTACAAGGAAACAAAGGAAAGGCAATAAAGGATTTCTTCCATATAAAGATTCTGA
TATGCATTATTTGATTTTTGTTTACAAAATACAAAACTGTAATATTAGAAGCAAAGGGAA
AACAGCAAAGAAAAAAACAATAAAACAGAAGGCCAAGGATAAGGAACTGTTCTATGCAGA
TGCACTGCATACATAGTATATATGTATGGGCTGAGTTATAATAAAAATACTTATTGTCAA
TTCTCATATAGATTTAGAAACAACAATTTCCAATCAAGCACGACTGGACCCAACATTTTC
TCAGTCTTCAATTACATGACAAATTACAGCTACACAGCAGTCACTTCTGGTCAGCAGTAT
CATGATAAATGCTTGACAGATATAATTTTTCTCCTTGTTCACTTGTAAAAATTGGTGCCT
TTTTGTAATGTTCTACAAGTTCTTCCATGGTGCTGAATTTACGCTGCCCAATGCAGTAGA
CAGTCTCTTTTAGNTGGGACTTAAAATGCTGNNTTNCCCTTGNNGCTTTANGATACTGAG
AAATCATTGCGAAGATCACTATCACGAATGAGAAATCCCTNCAGTCCTCTTCATTAATGC
ATNCTGCTGATGCCTGGGACTTGCATATACAG

Restriction Sites: NotI-NotI

ACCN: NM_006153

Insert Size: 1910 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_006153.3, NP_006144.1
RefSeq Size:	1938 bp
RefSeq ORF:	1134 bp
Locus ID:	4690
UniProt ID:	P16333
Cytogenetics:	3q22.3
Domains:	SH2, SH3
Protein Families:	Druggable Genome
Protein Pathways:	Axon guidance, ErbB signaling pathway, Pathogenic Escherichia coli infection, T cell receptor signaling pathway
Gene Summary:	The protein encoded by this gene is one of the signaling and transforming proteins containing Src homology 2 and 3 (SH2 and SH3) domains. It is located in the cytoplasm and is an adaptor protein involved in transducing signals from receptor tyrosine kinases to downstream signal recipients such as RAS. Alternatively spliced transcript variants encoding different isoforms have been found. [provided by RefSeq, Jun 2010] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer protein (isoform 1). Variants 1 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.