

Product datasheet for **MR210218**

Nckipsd (NM_030729) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nckipsd (NM_030729) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nckipsd
Synonyms:	AF3P21; DIP1; ORF1; SPIN90; Wasbp; WASLBP; WISH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR210218 representing NM_030729
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTACCGCGCGTGTATGCGTTCGCTCCGCGGAGCCGAACGCCATGGCGTTCGCTGCAGCGGAGACCT
 TCCTGGTGTGGAGCGCAGCAGCAGCACTGGTGGTTAGCAGCAGGGCGCGCAGTGGCGAGACCGGTA
 CGTGCCGCTGCCTACCTGCATCGCTGCAGGGCATGGAACAAGATGTCCTCCAAGCTATTGACCGTGCC
 ATTGAGGCTGTGCACAACACAGCCATGCGAGATGGCGGCAAGTACAGCCTGGAACAGCGTGGAGTCTTC
 AGAAGCTTATCCATACCCGAAAGAAACCTTGTCTCGAAGAGGCACCTCAGCTTCCAGTGTACGGTTAT
 GACCCCATCCACCAGTGACCACCATTTGGACGCTGCTGTATCTAGACAGCCCAATGGGGTGTGTGCAACT
 GGGTTTGAACGGCAGCATAGCCTGCCAGTTCTGAGCATCTTGGGACAGATGGAGCCCTCTACCAGTTTC
 CACCACAGCCTCGACGAGCAGCTCTACCACCCACCCACCCGGAAGCGCCGAGACCGTGGAGCCCT
 GGTGATCTCAGGGAGTGGTGGCCGACAGCCATACCCTCTGGAGGTAGTTCTGTGTCTAGTGGCTCATCA
 GCCAGCAGCACCTCCATGGACACTCTATACTGGCTCCAGCCCTCTGAGCTAGGTCCCAGCTGTCTCAC
 CCACACCCCGCCGGTACCTCGCCGAGGGGCCCACTACTGTGTCCCAGCCCGCCCTCTCCCTCCAA
 GGCACCATCCCCTGAGCCCCCTACGGAGGAGTGGCAGCTGAGACAACTCAACCCTGATGACTTGGAA
 GCTCAGGATGCCCTGAGCCAGAGACCAGAGGAGAAGCGAGCCGCTGAGACAGTTGTGCCAAGGACCA
 TTGGGGCAGAGCTGATGGAACCTCGTGCCGAGAAACACCCGCTAAGCCATGAGTTATGCCGTGTAGCCAT
 CGGCGTGTGGTGGTGCATCCAGGCCACCGTCCAGCCAGCTCACCTATCATGGAGCAGGTCTCTCCTC
 TCGCTGGTAGAAGGCAAGGACCTGAGCACAGCCCTACCCTCAGGGCAGGTCTGCCACGACAGCAGAGAC
 TGGAAAGTATTTTGCAGACCTGGCTCGAAGAAAGGATGACGCCAGCAGCGCAGCTGGGCGCTGTACGA
 GGACGAGGACGTATCCGCTGCTATCTGGAAGAACTGCTGCACATCCTGACGGATGCAGATCCCCGAAGTT
 TGCAAGAAAATGTGAAAAGGAGTGATTTTGTGCTGTCTAGCCTTGGTGGCCTATTACCAAATGGAAC
 ACCGAGCGTCTACGGCTGCTGCTCCTCAAGTGTTCGGTGCCATGTGCAGCCTAGATGCAGCGATCAT
 CTCCACTCTGGTGTCTCCGTGCTGCTGTGGAATTGGCACGGGACATGCAGACCACGACGAGGACCAC
 CAGAAGCTCTGTTACTCTGCCCTCGTCTGGCCATGGTCTTCTCCATGGGAGAGGCGGTACCCTACGCAC
 ACTATGAACACCTGGGTACACCCTTTGGCCAGTCTCTACTAAGCATCGTTGAGGATGGCCTTCCAATGGA
 CACCACGGAGCAGCTGCCAGACCTTGATGAACCTGCTTCTGGCTCTCAACTGCACCTGACAGCTCCT
 GAGCAGAAATGTCATCATGGCTGCCTTGGCAGACACCAATGTGAAGATCTTCTCTGAGAACTGCTTC
 TGCTTCTGAACAGAGGGGACGACCTGTGCGTATCTTACAGCATGAGCCCGACCCACACTCTGTCTCT
 CAAGTTCTGAGGATGTGTTTACGAGCTCTGCCACAGCCGCCATCTTCTACCACACAGACATGATGGCG
 CTTATTGACATCACTGTGCGCCAGATCGCAGACCTGTACCTGGAGACAAGCTACGCATGGAGTACCTCT
 CCCTGATGCATGTGTGGTCCGCTCCACGCCCTACCTGCAGCACCAGACATCGGCTGTGAGACCTGCAGGC
 TACTGCGGCGCATCTGACTGAGGAAGAGGCCCTCACCCAGTGCCAGATGGACCGTATGATTGTCCAA
 GAGATGTACAAGGAATCCCGGACCTGGGAGAGGTTCCACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210218 representing NM_030729
 Red=Cloning site Green=Tags(s)

MYRALYAFRSAEPNAMAF AAGETFLV LERSSTHWWLAARARSGETGYVPPAYLHRLQGMEQDVLQ AIDRA
 IEAVHNTAMRDGGKYSLEQRGVLQKLIHHRKETLSRRGTSASSATVMTPTSDHHLDAAVSRQPNGVCRT
 GFERQHSLPSSEHLGTDGALYQVPPQPRRAAPTTPPPPVKRRDREALVISGSGGRTAIPSGGSSVSSGSS
 ASSTSMDTLYTGSSPSELGPSCSPTPPPVPRRGAHTTVSQPQSPSPKAPSEPPTEEVAEATNSTPDDLE
 AQDALSPETTEEKAAAETVVPRTIGAELMELVRRNTGLSHELCRVAIGVVVGHIIQATVPASSPIMEQVLL
 SLVEGKDLSTALPSGQVCHDQQRLEVIFADLARRKDDAQQRSWALYEDEDVIRCYLEELLHILTDADPEV
 CKKMCKRSDFESVLALVAYYQMEHRASLRLLLLKCFGAMCSLDAAIISTLVSSVLPVELARDMQTDTQDH
 QKLCYSALVLAMVFSMGEAVPYAHYEHLGTPFAQFLLSIVEDGLPMDTTEQLPDLCMNLLALNLHLTAP
 EQNVIMAALS RHTNVKIFSEKLLLLNRGDDPVRIFRHEPQPPHSVLKFLQDVFSSATAAIFYHTDMMA
 LIDITVRQIADLSPGDKLRMEYLSLMHAVVRSTPYLQHRHRLSDLQATLRRILTEEEASPQCQMDRMIVQ
 EMYKEFPDLGEVPS

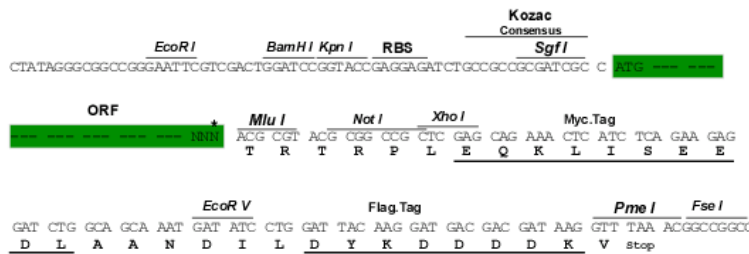
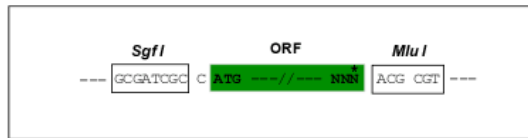
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9097_a11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_030729

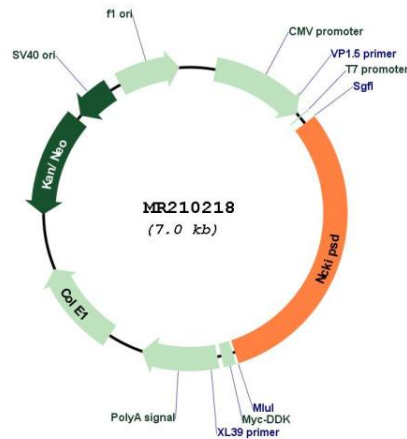
ORF Size: 2142 bp

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:	<u>NM_030729.4, NP_109654.2</u>
RefSeq Size:	2870 bp
RefSeq ORF:	2145 bp
Locus ID:	80987
UniProt ID:	<u>Q9ESJ4</u>
Cytogenetics:	9 F2
MW:	78.6 kDa
Gene Summary:	Has an important role in stress fiber formation induced by active diaphanous protein homolog 1 (DRF1) (By similarity). Induces microspike formation, in vivo. In vitro, stimulates N-WASP-induced ARP2/3 complex activation in the absence of CDC42. May play an important role in the maintenance of sarcomere and/or in the assembly of myofibrils into sarcomeres. Implicated in regulation of actin polymerization and cell adhesion.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210218