

Product datasheet for **MC221025**

Nckipsd (NM_030729) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nckipsd (NM_030729) Mouse Untagged Clone
Tag:	Tag Free
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)



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Fully Sequenced ORF: >MC221025 representing NM_030729
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTACCGCGCTGTATGCGTTCGCTCCGCGGAGCCGAACGCCATGGCGTTTCGTCGAGCGGAGACCT
 TCCTGGTCTGGAGCGCAGCAGCACGCACTGGTGGTTAGCAGCACGGGCGCGCAGTGGCAGACCGGGTA
 CGTGCCGCTGCCTACCTGCATCGCTGCAGGGCATGGAACAAGATGTCCTCCAAGCTATTGACCGTGCC
 ATTGAGGCTGTGCACAACACAGCCATGCGAGATGGCGGCAAGTACAGCCTGGAACAGCGTGGAGTCTTC
 AGAAGCTTATCCATACCGGAAAGAAACCTTGTCTCGAAGAGGCACCTCAGCTTCCAGTGTACGGTTAT
 GACCCCATCCACCAGTGACCACCATTTGGACGCTGCTGTATCTAGACAGCCCAATGGGGTGTGTCGAACT
 GGGTTTGAACGGCAGCATAGCCTGCCAGTTCTGAGCATCTTGGGACAGATGGAGCCCTCTACCAGGTTCC
 CACCACAGCCTCGACGAGCAGCTCTACCACCCACCCCAACCGTGAAGCGCCGAGACCGTGGAGCCCT
 GGTGATCTCAGGGAGTGGTGGCCGACAGCCATACCCTCTGGAGGTAGTTCTGTGTCTAGTGGCTCATCA
 GCCAGCAGCACCTCCATGGACACTCTATACTGGCTCCAGCCCTCTGAGCTAGGTCCCAGCTGCTCAC
 CCACACCCCGCCGGTACCTCGCCGAGGGGCCCACTACTGTGTCCCAGCCCGAGCCCTCTCCCTCCAA
 GGCACCATCCCCTGAGCCCCCTACGGAGGAGTGGCAGCTGAGACAACTCAACCCTGATGACTTGGAA
 GCTCAGGATGCCCTGAGCCCAGAGACCAGAGGAGAAGGAGCCGCTGAGACAGTTGTGCCAAGGACCA
 TTGGGGCAGAGCTGATGGAACCTCGTGCGGAGAAACACCGGTCTAAGCCATGAGTTATGCCGTGTAGCCAT
 CGGCGTCGTGGTGGTGCATCCAGGCCACCGTCCAGCCAGCTCACCTATCATGGAGCAGGTCTCTCCTC
 TCGCTGGTAGAAGGCAAGGACCTGAGCACAGCCCTACCCTCAGGGCAGGTCTGCCAGCAGCAGAGAC
 TGGAAAGTATTTTGCAGACCTGGCTCGAAGAAGGATGACGCCAGCAGCGCAGCTGGCGCTGTACGA
 GGACGAGGACGTATCCGCTGCTATCTGGAAGAACTGCTGCACATCCTGACGGATGCAGATCCCGAAGTT
 TGCAAGAAAATGTGCAAAAGGAGTGATTTTGTGCTGTCTAGCCTTGGTGGCCTATTACAAATGGAAC
 ACCGAGCGTCTACGGCTGCTGCTCCTCAAGTGTTCGGTGCCATGTGCAGCCTAGATGCAGCGATCAT
 CTCCACTCTGGTGTCTCCGCTGCTGCTGTGGAATTGGCAGGGACATGCAGACCACGACGAGGACCAC
 CAGAAGCTCTGTTACTCTGCCCTCGTCTGGCCATGGTCTTCTCCATGGGAGAGGCGGTACCCTACGCAC
 ACTATGAACACCTGGGTACACCCTTTGGCCAGTCTCTACTAAGCATCGTTGAGGATGGCCTTCCAATGGA
 CACCACGGAGCAGCTGCCAGACCTTGCATGAACCTGCTTCTGGCTCTCAACCTGCACCTGACAGCTCT
 GAGCAGAATGTCATCATGGCTGCCTTGGCAGACACCAATGTGAAGATCTTCTCTGAGAAGCTGCTTC
 TGCTTCTGAACAGAGGGGACGACCTGTGCGTATCTTACAGCATGAGCCCAAGCCACACTCTGTCTC
 CAAGTTCTCAGGATGTGTTTACGAGCTCTGCCACAGCCGCCATCTTCTACCACACAGACATGATGGCG
 CTTATTGACATCACTGTGCGCCAGATCGCAGACCTGTACCTGGAGACAAGCTACGCATGGAGTACCTCT
 CCCTGATGCATGCTGTGGTCCGCTCCACGCCCTACCTGCAGCACCAGCATCGGCTGTGAGACCTGCAGGC
 TACTGCGGCGCATCCTGACTGAGGAAGAGGCCCTCACCCAGTGCCAGATGGACCGTATGATTGTCCAA
 GAGATGTACAAGGAATCCCGGACCTGGGAGAGGTTCCAGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_030729

Insert Size: 2145 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_030729.4</u> , <u>NP_109654.2</u>
RefSeq Size:	2870 bp
RefSeq ORF:	2145 bp
Locus ID:	80987
UniProt ID:	<u>Q9ESJ4</u>
Cytogenetics:	9 F2
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]