

Product datasheet for **RC211420**

Neurochondrin (NCDN) (NM_014284) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neurochondrin (NCDN) (NM_014284) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Neurochondrin
Synonyms:	NEDIES
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC211420 representing NM_014284
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGTGTTGTGACCTGGCTGCGGCGGGACAGTTGGGCAAGGCGAGCATCATGGCCTCGGATTGCGAGC
 CAGCTCTGAACCAGGCAGAGGGCCGAAACCCACCCTGGAGCGCTACCTGGGAGCCCTCCGTGAGGCCAA
 GAATGACAGCGAGCAGTTTGACGCCCTGCTGCTAGTGACCAAGGCAGTCAAAGCAGGTGACATAGATGCC
 AAAACTCGGCGCGGATCTTCGATGCTGTGCGGCTTACCTTCCCAATCGTCTCCTGACCACCAAGGAGG
 CGCCGGATGGCTGCCCTGACCATGTTCTGCGGGCTTTGGGTGGCCCTGCTGGCCTGTTCTGCAGTGA
 CCCTGAACTGGCCGCCATCCCCAAGTCTGAACAAGATTCCATTCTTAGCACCTTCTCACAGCCCGG
 GGGACCCGACGATGCTGCCCGCGCTCCATGATTGATGACACCTACCAGTGCCTGACGGCTGTAGCAG
 GCACACCCAGAGGGCCTCGGCACCTCATTGCTGGTGGCACCGTGTCTGCCCTATGCCAGGCATACCTGGG
 GCACGGCTATGGCTTTGACCAGGCCCTGGCACTCTGGTGGGGCTGCTGGCTGCTGCCGAGACACAGTGC
 TGGAAGGAGGCGGAGCCGACCTGCTGGCCGTGTGCGGGGCTCAGTGAGGATTTCCAGAAAGCTGAGG
 ATGCCAGCAAGTTTGAGCTCTGCCAGCTGCTGCCCTCTTTTTGCCCCGACAACCGTGCCCTGAATG
 CTACCGGGATCTGCAGGCCGGGCTGGCACGCATCCTGGGAAGCAAGCTGAGCTCCTGGCAGCGCAACCT
 GCACTGAAGCTGGCAGCCCGCTGGCACACGCCTGCGGCTCCGACTGGATCCCGGCGGGCAGCTCCGGGA
 GCAAGTTCCTGGCCCTGCTGGTGAATCTGGCGTGGTGGAAAGTGGGCTGGCACTGGAGGAGACGGGCAC
 GGAGGTGAAAGAGGATGTGGTGACCGCTGCTATGCCCTCATGGAGTTGGGGATCCAGGAATGCACTCGC
 TGTGAGCAGTCACTGCTTAAGGAGCCACAGAAGTGCAGCTCGTGAGCGTCATGAAGGAGGCCATAGGGG
 CTGTTATCCACTACCTGCTGCAGGTGGGTGTCAGAGAAGCAGAAGGAGCCCTTTGTGTTGCTCGTGGC
 GATCCTGGGTGCCTGGCTGGCCGAGGAGACCTCATCCTTGCCTAAGGAGGTGTGCCAGCTGCTGCCCTTC
 CTCGTCGGCTATGCCAAGACCCTACGAGGAGGCCGAGGAGGCCAATGACCTTTCCAGCAGGTGGCCA
 ACCTGGCCATCTCCCCACCACCCAGGGCCACCTGGCCAGGAGACGCTCTCCGGCTCCTCCTGCCTGG
 CTGGTGCCACCTGACCGTTGAAGATGGGCCCGGAGATCCTGATCAAGGAAGGGGCCCCCTCGTTCTG
 TGCAAGTATTTCTGCAGCAGTGGGAACACATCCCCTGGCCACGACACCTCGGTGCTGCCTGACAGCG
 TGGAGATTGGCCTGCAGACCTGCTGCCACATCTCCTCAACCTCGTGGTACCAGCAGTGTGACGCAACAG
 GGAAGGCTGCTTCTGGCTGCTAATGTGGCCACCCTGGGGCTCCTCATGGCCCGGCTCCTTAGCACCTCTC
 CAGCTCTTCAGGGAACACCAGCATCCCAGGGTCTTCGAGCTGCCATCCTCTTCTATCACAGTCCCA
 CGTGGCGCGGGCCACCCCGGGCTCAGACCAGGCAGTGTAGCCCTGTCCCCTGAGTATGAGGGCATCTGG
 GCCACCTGCAGGAGCTCTGTTCTGGGCATGCAGGCCCTTACCAGGCTGTGTCCTCTGCTGCCCTGGC
 TGGCCCCGCTGCCCTGCGCTCCCGTGGCCGAGGAGCTGTCCAGCTGCTAGGCAGTGTGAGCCCAA
 CTCTGTCAAGCCCAGATGGTGGCCGCCTATCAGGGTGTCTGGTGGAGCTGGCGCGGCCAACCGGCTG
 TGCCGGGAGGCCATGAGGCTGCAGGCGGGCGAGGAGACGCCAGCCACTACCGCATGGCTGCCTGGAGC
 AGTGCCTGTGAGAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC211420 representing NM_014284
Red=Cloning site Green=Tags(s)

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MSCCDLAAAGQLGKASIMASDCEPALNQAEGRNPTLERYLGALREAKNDSEQFAALLLVTKAVKAGDIDA
KTRRRIFDAVGF TFPNRLLTTKEAPDGC PDHVLRALGVALLACFCSDPELAAHPQVLNKIPILSTFLTAR
GDPDDAARRSMIDDTYQCLTAVAGTPRGRHLIAGGTVSALCQAYLGHGYGFDQALALLVGLLAAETQC
WKEAEPDLLAVLRGLSEDFQKAEDASKFELCQLLPLFLPPTTVPPECYRDLQAGLARILGSKLSSWQRNP
ALKLAARLAHACGSDWIPAGSSGSKFLALLVNLACVEVRLALEETGTEVKEDVVTACYALMELGIQECTR
CEQSLLKEPQKVQLVSVMKEAIGAVIHYLLQVGSEKQKEPFVFAVIRILGAWLAEETSSLRKEVCQLLPL
LVRYAKTYEEAEEANDLSQQVANLAISPTTPGPTWPGDALRLLLPGWCHLTVEDGPREILIKEGAPSL
CKYFLQQWELTSPGHDTSVLPDSVEIGLQTCCHIFLNLVVTAPGLIKRDACFTSLMNTLMTSLPALVQQQ
GRLLLAANVATLGLLMARLLSTSPALQGTASRGFFAAAILFLSQSHVARATPGSDQAVLALSPEYEGIW
ADLQELWFLGMQAF TGCVPLLPWLAPAALRSRWPQELLQLLGSVSPNSVKPEMVAAYQGV LVELARANRL
CREAMRLQAGEETASHYRMAALEQCLSEP
    
```

TRTRPLEQKLISEEDLANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4973_h05.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_014284

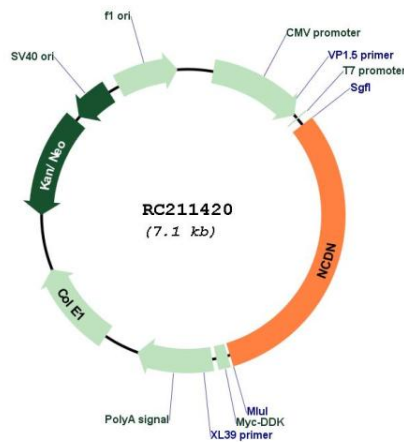
ORF Size: 2187 bp

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:**
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_014284.3](#)
- RefSeq Size:** 3718 bp
- RefSeq ORF:** 2190 bp
- Locus ID:** 23154
- UniProt ID:** [Q9UBB6](#)
- Cytogenetics:** 1p34.3
- MW:** 78.9 kDa
- Gene Summary:** This gene encodes a leucine-rich cytoplasmic protein, which is highly similar to a mouse protein that negatively regulates Ca/calmodulin-dependent protein kinase II phosphorylation and may be essential for spatial learning processes. Several alternatively spliced transcript variants of this gene have been described. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC211420