

Product datasheet for **SC324171**

Neurochondrin (NCDN) (NM_001014841) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neurochondrin (NCDN) (NM_001014841) Human Untagged Clone
Tag:	Tag Free
Symbol:	Neurochondrin
Synonyms:	NEDIES
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001014841.1
AGCAGCGCCCGAGGCTCCCGGAGCATCGCGCTGGGAGAAGACTTCGCCGCTCGGGGCCG
CAGCCTGGTGAGCTCAGCCCCCTTCGGGCCCTCCCTGCATCCCAGCCGGGCTCTCCG
AGCCGGCGCTGATCGATGCCGACACACCCCGGGACCCTATCGCGACTCCATCGGCCAT
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CGTGACTTCATCAATGTCGTGTTGTGACCTGGCTGCGGCGGGACAGTTGGGAAGGCGAG
CATCATGGCCTCGGATTGCGAGCCAGCTCTGAACCAGGACAGGGCCGAAACCCACCCT
GGAGCGCTACCTGGGAGCCCTCCGTGAGGCCAAGAATGACAGCGAGCAGTTTGCAGCCCT
GCTGCTAGTGACCAAGGAGTCAAAGCAGGTGACATAGATGCCAAAACCTCGCGCGGGAT
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TAAGGAGCCACAGAAGGTGCAGCTCGTGAGCGTATGAAGGAGCCATAGGGGCTGTTAT
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GCGGATCCTGGGTGCCTGGCTGGCCGAGGAGACCTCATCCTTGCGTAAGGAGGTGTGCCA
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ACTCAATAAATGTTATTGGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA
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- Restriction Sites:** ECoRI-NOT
- ACCN:** NM_001014841
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001014841.1](#), [NP_001014841.1](#)

RefSeq Size: 3378 bp

RefSeq ORF: 2139 bp

Locus ID: 23154

UniProt ID: [Q9UBB6](#)

Cytogenetics: 1p34.3

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]
Transcript Variant: This variant (2), also known as NCDN-2, contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting isoform (2) has a shorter N-terminus when compared to isoform 1.