

Product datasheet for **RG202192**

Neurochondrin (NCDN) (NM_001014841) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Neurochondrin
Synonyms:	NEDIES
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG202192 representing NM_001014841
 Red=Cloning site Blue=ORF Green=Tags(s)

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GCCGCGATCGCC

ATGTCGTGTTGTGACCTGGCTGCGCGGGACAGATTGGGCAAGGCGAGCATCATGGCCTCGGATTGCGAGC
 CAGCTCTGAACCAAGCAGAGGGCCGAAACCCACCCTGGAGCGCTACCTGGGAGCCCTCCGTGAGGCCAA
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 CTCTGCTCAAGCCCGAGATGGTGGCCGCTATCAGGGTGCTCTGGTGGAGCTGGCGGGGCCAACCGGCTG
 TGGCGGAGGCGCATGAGGCTGCAGGCGGGCGAGGACGGCCAGCCACTACCGCATGGCTGCCCTTGAGC
 AGTGGCTGTGCAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG202192 representing NM_001014841

Red=Cloning site Green=Tags(s)

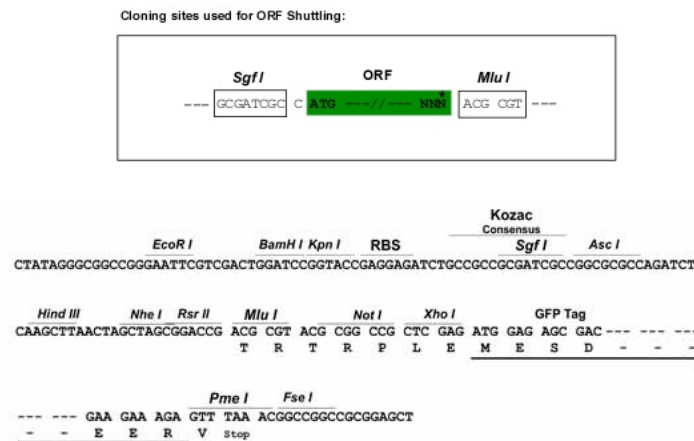
MSCCDLAAAGQLGKASIMASDCEPALNQAEGRNPTLERYLGALREAKNDSEQFAALLLVTKAVKAGDIDA
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ADLQELWFLGMQAFATGCVPLLPWLAAPALRSRWPQELLQLLGSVSPNSVKPEMVAAYQGVVELARANRL
CREAMRLQAGEETASHYRMAALEQCLSEP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001014841

ORF Size:

2187 bp

OTI Disclaimer:

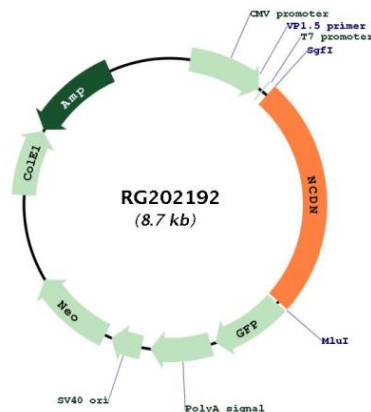
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001014841.1, NP_001014841.1</u>
RefSeq Size:	3378 bp
RefSeq ORF:	2139 bp
Locus ID:	23154
UniProt ID:	<u>Q9UBB6</u>
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]

Product images:



Circular map for RG202192