

Product datasheet for **SC311361**

NGDN (NM_015514) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	NGDN
Synonyms:	C14orf120; CANu1; LCP5; lpd-2; NGD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311361 representing NM_015514. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGCGCTGGGGTGCTGGAGTCCGACCTGCCAAGTCCGTGACACTTCTGAAAAATCTCCAGGAG
CAAGTGATGGCTGTAAGTGCACAAGTGAAATCACTGACACAAAAGTTCAAGCTGGTGCCTATCCTACA
GAAAAGGGTCTCAGCTTCTTGAAGTGAAAGACCAGCTGCTGCTCATGTACCTTATGGATTTGACCCAC
CTCATCTGGACAAAGCCTCAGGAGGATCTCTTCAGGGACATGATGCAGTTTGGAGCTGGTGGAGATT
CGCACGGTTTTGGAAAAGCTTCGTCCTTGGACAAAAGCTGAAGTATCAAATTGACAAGCTGATCAAG
ACTGCAGTGACAGGCAGCCTTAGTGAGAATGACCCACTTCGTTTTAAGCCTCATCCCAGCAATATGATG
AGCAAGTTGAGCTCTGAGGATGAGGAGGAAGATGAAGCAGAAGATGACCAGTCTGAGGCTTCAGGGAAG
AAATCTGTGAAGGGAGTGTCTAAGAAATATGTTCTCCACGCTTGGTTCAGTACATTATGATGAAACA
GAAGCTGAGCGGGAGAAGAAGCGTCTAGAACGAGCCAAGAGACGGGCATTGAGCAGCTCTGTCATTCTGT
GAACCTAAGGAGCAGTACTCAGATGCTCCAGAGGAAATCCGTGATGCTCGGCATCCCATGTTACCCGC
CAGAGTCAGGAGGACCAACACAGGATTAAGTATGAGGAGAGCATGATGGTGCCTTTGAGCGTCAGTAAG
CGAGAGAAAGGACGGCGAAAACGAGCAATGTCATGAGCTCACAATTCATTCCCTTACACACTTCAGT
GACATCAGTGCTTTGACAGGGGAACTGTTTCATCTTGATGAGGATCAGAATCCTATTAAGAAGCGGAAG
AAGATACCTCAGAAAGGTCGGAAGAAAAAAGGTCAAGTA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_015514
Insert Size:	936 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_015514.1</u>
RefSeq Size:	1588 bp
RefSeq ORF:	936 bp
Locus ID:	25983
UniProt ID:	<u>Q8NEJ9</u>
Cytogenetics:	14q11.2
MW:	35.3 kDa
Gene Summary:	Neuroguidin is an EIF4E (MIM 133440)-binding protein that interacts with CPEB (MIM 607342) and functions as a translational regulatory protein during development of the vertebrate nervous system (Jung et al., 2006 [PubMed 16705177]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (2) retains an intron, differing in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.