

Product datasheet for **SC321117**

NGDN (NM_001042635) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NGDN (NM_001042635) Human Untagged Clone
Tag:	Tag Free
Symbol:	NGDN
Synonyms:	C14orf120; CANu1; LCP5; lpd-2; NGD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001042635.1

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GGGCTTTGCGAAGATGGCGGCGCTGGGGGTGCTGGAGTCCGACCTGCCAAGTGCCGTGAC
ACTTCTGAAAAATCTCCAGGAGCAAGTGATGGCTGTAAGTGCACAAGTGAATCACTGAC
ACAAAAAGTTCAAGCTGGTGCCTATCCTACAGAAAAGGGTCTCAGCTTCTTGGAAGTGAA
AGACCAGTGCTGCTCATGTACCTTATGGATTTGACCCACCTCATTCTGGACAAAGCCTC
AGGAGGATCTCTTCAGGGACATGATGCAGTTTTGAGACTGGTAGAGATTGAAACGGTTTT
GGAAAAGCTTCGTCCCTTGACCAAAAAGCTGAAGTATCAAATTGACAAGCTGATCAAGAC
TGCAGTGACAGGCAGCCTTAGTGAGAATGACCCACTTCGTTTTAAGCCTCATCCAGCAA
TATGATGAGCAAGTTGAGCTCTGAGGATGAGGAGGAAGATGAAGCAGAAGATGACCAGTC
TGAGGCTTCAGGGAAGAAATCTGTGAAGGGAGTGTCTAAGAAATATGTTCTCCACGCTT
GGTTCCAGTACATTATGATGAAACAGAAGCTGAGCGGGAGAAGAAGCGTCTAGAACGAGC
CAAGAGACGGGCATTGAGCAGCTCTGTCATTTCGTGAACCTAAGGAGCAGTACTCAGATGC
TCCAGAGGAAATCCGTGATGCTCGGCATCCCCATGTTACCCGCCAGAGTCAGGAGGACCA
ACACAGGATTAATATGAGGAGAGCATGATGGTGCGTTTGAGCGTCAGTAAGCGAGAGAA
AGGACGGCGAAAACGAGCAAAATGTCATGAGCTCACAACCTTCATCCCTTACACACTTCAG
TGACATCAGTGCTTTGACAGGGGAACTGTTTCATCTTGATGAGGATCAGAATCCTATTAA
GAAGCGGAAGAAGATACCTCAGAAAGGTCGGAAGAAAAAGGTTTTCGGAGGCGGCGGTG
ATTATGGGTGTACATATTTGTATTTTTTGTATCCTGAGATACTTCTAATTTTCATTGT
ATATAGGTGGTTTTCCCTGGAATTCATTAATTGTTTGTGTTGGACATGTGGAAAGAGCCT
TACTAATAAAATTGATTTTACTTATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:	Please inquire
ACCN:	NM_001042635



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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:	<u>NM_001042635.1</u> , <u>NP_001036100.1</u>
RefSeq Size:	1142 bp
RefSeq ORF:	948 bp
Locus ID:	25983
UniProt ID:	<u>Q8NEJ9</u>
Cytogenetics:	14q11.2
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 (1) encodes the longer isoform (1).