

## Product datasheet for **SC321512**

### **Necdin (NDN) (NM\_002487) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Necdin (NDN) (NM_002487) Human Untagged Clone
Tag:	Tag Free
Symbol:	Necdin
Synonyms:	HsT16328; PWCR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_002487.2  
CACGAGGGCAGGCTCGAAGAGCTCCTGGACGCAGAGGCCCTGCCCTTGCCAGACGGCGCA  
GACATGTGAGAACAAAGTAAGGATCTGAGCGACCCTAACTTTGCAGCCGAGGCCCAAC  
TCCGAGGTGCACAGCAGCCCTGGGGTTTCGGAGGGGGTTCTCCGTCCGCGACCCCTGGCA  
GAGCCGCAGAGCCCTCCTTAGGCCGACGGCCGCTCCGAGGCCGCGCCGCTCCCCAG  
GCCCCGAACGACGAGGGCGACCCGAAGGCCCTGCAGCAGGCTGCGGAGGAGGGCCGCGCC  
CACCAGGCCCGAGCGCGGCCAGCCGGGCCCGGCACCGCCAGCCCGGCCGCGAGTGGTG  
CAGAAGGCGCACGAGCTCATGTGGTACGTGCTGGTCAAGGACCAGAAGAAGATGATCATC  
TGGTTTCCAGACATGGTGAAGATGTCATCGGCAGCTACAAGAAGTGGTGCAGGAGCATC  
CTCCGGCGCACAGCCTCATCTCGCCCGGGTGTTCGGGCTGCACCTGAGGCTAACCCAGC  
CTGCACACCATGGAGTTTGCCTGGTCAAAGCGCTGGAGCCCAGGAGCTGGACAGGGTG  
GCGCTGAGCAACCGCATGCCATGACAGGCCTCCTGCTCATGATCCTGAGCCTCATCTAC  
GTGAAGGGCCGCGGCCAGAGAGAGCGCCGTCTGGAACGTGCTGCGCATCCTGGGGCTG  
CGGCCCTGGAAGAAGCACTCCACCTTCGGGGACGTGCGGAAGCTCATCACTGAGGAGTTC  
GTCCAAATGAATTACCTGAAGTACCAGCGCTCCATACGTGGAGCCGCCGAATACGAG  
TTCTTTTGGGGCTCCCGGCCAGCCGCAAATCACAAGATGCAAATCATGGAGTTCCTG  
GCCAGGGTCTTTAAGAAAGACCCCCAGGCCTGGCCCTCCCGATACAGAGAAGCTCTGGAG  
GAGGCCAGAGCTCTGCGGGAGGCTAATCCCACTGCCCACTACCCTCGCAGCAGTGTCTCT  
GAGGACTAGCAAAGTCTGGAGGCAGATGAATGGTTTCTGACCCTCACCAGGGCTGTGGAA  
GGGTGGGGTGGGTGATTATAGTATTCAGGATTTACAGTGCAGTATTCACGTGTAACCTT  
TAAGTTTTTCAGTACAGTCTTTTATACCTTTAATGCAATGTTGTATTCACTTGGTACTA  
TTGTGTAGTATTTAGGATGTATGCATGTTTGTATATGTAAGCTTGGTGGTGCCTTCG  
CTTTTGTGCTACCTTTCTGGATTTTGTACCAGAGATGTGCTAACTGATGAAATACAT  
TGAGAAAAGTTTCCATCTTATTCTTTTATATGGGACTGATGATGTGTGTTGGGGTAGACTG  
CTCCTGCAGAGTTTGAAGAAGTACCAGCAAAGCCGGCCTAACCAAGAAAAGTCAAGGC  
CCTTCATGACCTTGTGGGCACAGAAAACACCCTCGTGGAGTACACTAATTTGAACTGGA  
CTGGTCTCAGTGTGAGCACTTGGCACACTTTACTAAACACATATAACAACCCACCGTGAG  
TCAACTTTAAAGTAAACATTAAGATTCTTGATACAAAAAAAAAAAAAAAAAAAAAAAAA  
AAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_002487

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_002487.2</a> , <a href="#">NP_002478.1</a>
<b>RefSeq Size:</b>	1897 bp
<b>RefSeq ORF:</b>	966 bp
<b>Locus ID:</b>	4692
<b>UniProt ID:</b>	<a href="#">Q99608</a>
<b>Cytogenetics:</b>	15q11.2
<b>Domains:</b>	MAGE
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	This intronless gene is located in the Prader-Willi syndrome deletion region. It is an imprinted gene and is expressed exclusively from the paternal allele. Studies in mouse suggest that the protein encoded by this gene may suppress growth in postmitotic neurons. [provided by RefSeq, Jul 2008]