

## Product datasheet for **SC306995**

### CNTN5 (NM\_175566) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CNTN5 (NM_175566) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNTN5
Synonyms:	HNB-2s; NB-2
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_175566, the custom clone sequence may differ by one or more nucleotides

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ATGGCTTCCTCCTTGAACTAATGCTGTTTCTGTCAGTCACCATGTGTCTTTCAGAAAGT
GTGGACTATGGCCAGTTTTTGTGCAAGAACCAGATGATATTATTTTCCAAGTATTCT
GATGAAAAGAAGGTAGCATTGAATTGTGAAGTTCGTGGCAATCCAGTTCACAGTTACAGA
TGGCTTCGAAATGGAACAGAAATAGATCTGAAAGTGATTATCGTACAGTTTGATAGAT
GGCACCTTCATTATAAGCAATCCAAGTGAAGCAAAGGATTCTGGTCATTATCAGTGTTA
GCAACCAACTGTGGGGAGTATTCTTAGTAGAGAAGCTACACTGCAGTTTGCCTATCTG
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CTGATGTGCTCTCCTCCGCCACATTCACCAGAGATCATCTATAGCTGGGTATTTAATGAG
TTCCCTTCCTTTGTGGCGAAGACAGCCGGCGTTCATCTCCCAGGAGACAGGCAACCTT
TATATTTCTAAAGTCAAACATCAGATGTTGGCAGCTATATTTGTCTGGTGAAAAACACA
GTGACGAATGCTAGAGTCCTTAGTCCTCAACGCCACTCACTCTGCGTAATGATGGTGTG
ATGGGAGAATATGAGCCGAAAATGAGGTCCATTTTCTTTTACGGTTACAGCTGCTAAA
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AAAGACCAAGAAGTTGTCATAGAGTCAAACCCCAAGGCTCTCCAAAACCAACCATCTCT
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AACGTCCTTTGGTTCTGCTGAAATATAGCTTCGCTATCTGTAAGAAACCTACAAGGATA
GAACCTACTCCTAAAAGAACAGAATTGACAGTGGGAGAAAGCATTGTCCTTAATTGCAAA
GCAATTCACGATGCTAGTTTGGATGTCATTTCTACTGGACTCTGAAAGGACAGCCTATT
GATTTTCGAGGAAGAGGGTGGACATTTTGAAGCATCAGGGCCCAAGCATCCTCTGCAGAT
TTAATGATCAGGAACATCCTTCTGATGCATGCTGGGAGATATGGCTGCAGGGTACAGACC
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ACAGCAGACAGTGTGTCAGATGAGGCAGAACTTCTTGTTAGGGGACCCCCAGGCCACCT
GGGATAGTAATTGTTGAGGAAATAACCGAAAGTACGGCCACACTGCCTGGAGCCGACGA
GCTGACAACCACAGCCCAATCTCCTCTACAACCTTCAAGCTCGCAGCCATTTTCCCTG
GGCTGGCAAACAGTAAAGACAGTCCCAGAAATCATAACAGGGGACATGGAGTCAGCCATG
GCTGTGGACCTAAATCCCTGGGTGGAATATGAATTTGAGTGGTACCCACCAACCCTATT
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GAGCCAGTATCTGAAGAGTTTCAGAATGGGAAGGCTTCGGCTATATTGTGGCTTTCAGA
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CCCAGTGTGCTCCACAGATGTCAAGGCGACAAGTGTGTCTGTGTGAGAGATTCTTGTT
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GTCATCCTAACAGGATTAGAAGGAAATACGTTATATCACTTACAGTGAGGGCTTACAAT
GGAGCTGGATATGGGCCACCTAGCAGTGAAGTGAAGTGAACCACCAAGAAATCCCCTCCT
AGTCAAGCACCTAGCAACCTCAGGTGGGAGCAGCAAGGCTCTCAGGTTTCTCTGGGCTGG
GAACCCGTCATACCATTAGCCAACGAATCTGAAGTTGTGGGTTACAAGGTTTTTTATAGG
CAAGAGGGTCACAGCAACAGCCAAGTTATTGAAACACAGAAACTCAAGCAGTAGTACCA
CTCCCAGATGCTGGAGTCTATATTATTGAAGTTGAGCATATAGTGAAGGAGGAGATGGA
ACAGCTAGTTCTCAAATTAGGGTACCATCATATTCAGGTGGAAAAATCACAAGTGACAG
TCGACCCCTCACTCTCTCCACATCTTCGTCATCAGTCACCTTGCTCTTGGCATTGATG
ATTCCTCAACTCCTGGTGA
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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_175566
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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>	<u>NM_175566.1, NP_780775.1</u>
<b>RefSeq Size:</b>	3942 bp
<b>RefSeq ORF:</b>	3081 bp

Locus ID: 53942

UniProt ID: [O94779](#)

Cytogenetics: 11q22.1

**Gene Summary:** The protein encoded by this gene is a member of the immunoglobulin superfamily, and contactin family, which mediate cell surface interactions during nervous system development. This protein is a glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein that functions as a cell adhesion molecule. It may play a role in the formation of axon connections in the developing nervous system. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

Transcript Variant: This variant (3) lacks an in-frame coding exon compared to variant 1. This results in a shorter isoform (2, also known as short isoform) missing an internal protein segment compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.