

## Product datasheet for SC114190

### HNT (NTM) (NM\_016522) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HNT (NTM) (NM_016522) Human Untagged Clone
Tag:	Tag Free
Symbol:	HNT
Synonyms:	CEPU-1; HNT; IGLON2; NTRI
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114190 sequence for NM_016522 edited (data generated by NextGen Sequencing)

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ATGGGGGTCTGTGGGTACCTGTTCTGCCCTGGAAGTGCCTCGTGGTCTGTCTCTCAGG
CTGCTGTTCTTTGACCCACAGGAGTGCCCGTGCGCAGCGGAGATGCCACCTTCCCCAAA
GCTATGGACAACGTGACGGTCCGGCAGGGGAGAGCGCCACCCTCAGGTGCACTATTGAC
AACCGGGTCAACCGGGTGGCCTGGCTAAACCGCAGCACCATCCTCTATGCTGGGAATGAC
AAGTGGTGCCTGGATCCTCGCGTGGTCTTCTGAGCAACACCCAAACGCAGTACAGCATC
GAGATCCAGAACGTGGATGTGTATGACGAGGGCCCTTACACCTGCTCGGTGCAGACAGAC
AACCCACCAAAGACCTCTAGGGTCCACCTCATTGTGCAAGTATCTCCAAAATTGTAGAG
ATTTCTTCAGATATCTCCATTAATGAAGGAACAATATTAGCCTCACCTGCATAGCAACT
GGTAGACCAGAGCCTACGGTTACTTGGAGACACATCTCTCCAAAGCGGTTGGCTTTGTG
AGTGAAGACGAATACTTGGAAATTCAGGGCATCACCCGGGAGCAGTCAGGGGACTACGAG
TGCAGTGCCTCCAATGACGTGGCCGCGCCCGTGGTACGGAGAGTAAAGGTCACCGTGAAC
TATCCACCATACATTTTCAGAAGCCAAGGGTACAGGTGTCCCGTGGGACAAAAGGGGACA
CTGCAGTGTGAAGCCTCAGCAGTCCCCTCAGCAGAATTCAGTGGTACAAGGATGACAAA
AGACTGATTGAAGGAAAGAAAGGGGTGAAAGTGGAAAACAGACCTTTCTCTCAAATCTC
ATCTTCTCAATGTCTCTGAACATGACTATGGAACTACACTTGGCTGGCCTCCAACAAG
CTGGGCCACCAATGCCAGCATCATGCTATTTGGTCCAGGCCCGTCAGCGAGGTGAGC
AACGGCACGTGAGGAGGGCAGGCTGCGTCTGGCTGCTGCCTCTTCTGGTCTTGCACCTG
CTTCTCAAATTTGA

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Clone variation with respect to NM\_016522.2  
577 a=>c



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_016522 unedited</p> <pre>GGGTTTCGCATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGGTGC GCGGGTTCACCGCTCAGTCCCGCGCTCGCTCCGCACCCACCCACTTCTGTGCTCGCC CGGGGGCGTGTGCCGTGCGGCTGCCGGAGTTCGGGGAAGTTGTGGCTGTGAGAATGGG GGTCTGTGGGTACCTGTTCTGCCCTGGAAGTGCCTCGTGGTGTCTCTCAGGCTGT GTTCTTGTACCCACAGGAGTGCCCGTGCAGCGGAGATGCCACCTTCCCAAAGCTAT GGACAACGTGACGGTCCGGCAGGGGGAGAGCGCCACCCCTCAGGTGCACTATTGACAACCG GGTCACCCGGGTGGCCTGGCTAAACCGCAGCACCATCCTCTATGCTGGGAATGACAAGTG GTGCCCTGGATCCTCGCGTGGTCTTCTGAGCAACCCAAACGAGTACAGCATCGAGAT CCAGAACGTGGATGTGTATGACGAGGGCCCTTACACCTGCTCGGTGCAGACAGACAACCA CCCAAAGACCTCTAGGGTCCACCTCATTGTGCAAGTATCTCCAAAATTGTAGAGATTTT TTCAGATATCTCCATTAATGAAGGGAACAATATTAGCCTCACCTGCATAGCAACTGGTAG ACCAGAGCCTACGGTACTTGGAGACACATCTCTCCAAAGCGGTTGGCTTTGTGAGTGA AGACGAATACTTGAAATTCAGGNCATCACCNCGGAGCAGTCAGGNGACTACGAGTGCAG TGCTCCAATGACGTGGCCGCGCCCGTGGTACCGGAGAGTTAAGGTCACCGTGAAGTATT CACCATACATTTGAGAAGCCAGGNTACANGTGTCCCGTGGGACAAAGGNGACACTGCAG TGTGAGCCTCAGCAGTTCCTTACAGAATC</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_016522 unedited</p> <pre>CTATGGAACCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTCTTTCACTT TTTATAAATGTCTCTGACATGTAATAACCCAAGAAAAATAAAAAGGCGGAGCTGATTACA CAATTACCAGTAACTCTATCATCTTTTGAAGATCAACACACAGCTAACGCCATATACA GCATGCAGTAATGTCTGAGAAAGGACCCTGCGGAGAAATAAAATGGCTAGAACTAACA AAAAAATATATGTATATATATACTGTATAATATATGTCATCAAAGGAAGCATAGCCAAC AAACCCAAGATACAGTGCAGATCACCTTCCATTTCTAAACAGTGTGTAGAGAGCATAGT ATTGTCTGCAAGAGATGTCAGAATTGGGAGGAGTCCGTAGCGCTGGTGGAGATGTTGGTT AAATCGGATGCATTTTTTGGTGGATATGCCAAATCCTCACCAGGTGATTAGTGCCTGGTG TGTGGTCCACCAGTTGTAACCTAGTTAAGAAGTATACTATTCATTTTTACTGTTTAAACA AACATACTTCTCTCACCTTCTCAGTTGTATTTTTTTAGTTTTGTCTTGTTTTTGCAGT AAGTTCTAGACTCATATCAGAAAAATAATTAATGAAATTAATAATGAATCAGAATCCCT GTTTATCCATGATGTTTCATGTAGTAAAAATGATAAAAAAAAAAAAAAAGTTTAAACGGTATC TTTTGTGACTTGTGTGGGACCGTTGTTGCTGTCAGACGGTCTTTATTTTTGGTTCCTTT TTCTTTTCTGGCTCCTTTTATTTACGTTTCAACACACGCCCCGTGGGCACAGTCTAC CAAAGTGCCCGCAGCGCCACGCTTGGGCCGNNAAAGTCTCATCTGNTCGTCTCTATGGACT GATTTGATTTGGGATGGCCAGCTCCAAATGTTCCACGTGGGGCACTCTGTGGGCAAAAAG GCTGAGCCCTTGCCACACTGGGCCAA</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_016522
<b>Insert Size:</b>	2700 bp
<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>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).

**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:** [NM\\_016522.2](#), [NP\\_057606.1](#)

**RefSeq Size:** 3381 bp

**RefSeq ORF:** 1035 bp

**Locus ID:** 50863

**UniProt ID:** [Q9P121](#)

**Cytogenetics:** 11q25

**Domains:** ig

**Protein Families:** Transmembrane

**Gene Summary:** This gene encodes a member of the IgLON (LAMP, OBCAM, Ntm) family of immunoglobulin (Ig) domain-containing glycosylphosphatidylinositol (GPI)-anchored cell adhesion molecules. The encoded protein may promote neurite outgrowth and adhesion via a homophilic mechanism. This gene is closely linked to a related family member, opioid binding protein/cell adhesion molecule-like (OPCML), on chromosome 11. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2009]  
Transcript Variant: This variant (1) lacks an alternate exon in the 3' coding region, compared to variant 3. This variant encodes isoform 1, which is shorter than isoform 3.