

## Product datasheet for **SC324932**

### HNT (NTM) (NM\_001144059) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HNT (NTM) (NM\_001144059) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** NTM  
**Synonyms:** CEPU-1; HNT; IGLON2; NTRI  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001144059, the custom clone sequence may differ by one or more nucleotides

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ATGGGGGTCTGTGGGTACCTGTTCTGCCCTGGAAGTGCCTCGTGGTCTGTCTCTCAGG
CTGCTGTTCTTTGTACCCACAGGAGTGCCCGTGCGCAGCGGAGATGCCACCTTCCCAAA
GCTATGGACAACGTGACGGTCCGGCAGGGGAGAGCGCCACCCTCAGGTGCACTATTGAC
AACCGGGTCAACCGGGTGGCCTGGCTAAACCGCAGCACCATCCTCTATGCTGGGAATGAC
AAGTGGTGCCTGGATCCTCGCGTGGTCTTCTGAGCAACACCCAAACGCAGTACAGCATC
GAGATCCAGAACGTGGATGTGTATGACGAGGGCCCTTACACCTGCTCGGTGCAGACAGAC
AACCCACCAAAGACCTCTAGGGTCCACCTCATTGTGCAAGTATCTCCAAAATTGTAGAG
ATTTCTTCAGATATCTCCATTAATGAAGGAACAATATTAGCCTCACCTGCATAGCAACT
GGTAGACCAGAGCCTACGGTACTTGGAGACACATCTCTCCAAAAGCGGTTGGCTTTGTG
AGTGAAGACGAATACTTGGAAATTCAGGGCATCACAGGGAGCAGTACAGGGGACTACGAG
TGCAGTGCCTCCAATGACGTGGCCGCGCCCGTGGTACGGAGAGTAAAGGTCACCGTGAAC
TATCCACCATACATTTCAGAAGCCAAGGGTACAGGTGTCCCGTGGGACAAAAGGGGACA
CTGCAGTGTGAAGCCTCAGCAGTCCCCTCAGCAGAATTCAGTGGTACAAGGATGACAAA
AGACTGATTGAAGGAAAGAAAGGGGTGAAAGTGGAAAACAGACCTTTCTCTCAAACCTC
ATCTTTCAATGTCTCTGAACATGACTATGGAACTACACTTGGCTGGCCTCCAACAAG
CTGGGCCACACCAATGCCAGCATCATGCTATTTGGTGAGACTGTGCTC
```

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001144059  
**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.



<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_001144059.1, NP_001137531.1</u>
<b>RefSeq Size:</b>	1965 bp
<b>RefSeq ORF:</b>	951 bp
<b>Locus ID:</b>	50863
<b>UniProt ID:</b>	<u>Q9P121</u>
<b>Cytogenetics:</b>	11q25
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (4) differs in the 3' coding region and 3' UTR compared to variant 3. The resulting protein (isoform 4) has a distinct C-terminus, compared to isoform 3.</p> <p>Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>