

Product datasheet for SC315421

HNT (NTM) (NM_001048209) Human Untagged Clone

Product data:

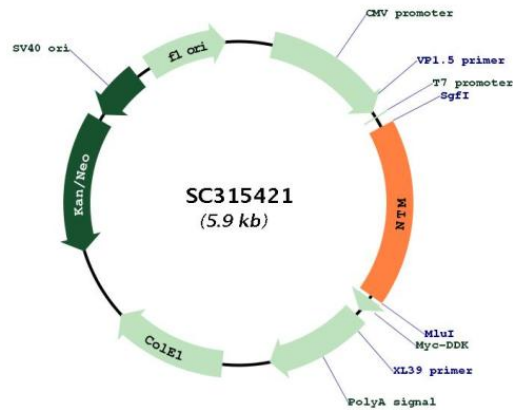
Product Type:	Expression Plasmids
Product Name:	HNT (NTM) (NM_001048209) Human Untagged Clone
Tag:	Tag Free
Symbol:	NTM
Synonyms:	CEPU-1; HNT; IGLON2; NTRI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315421 representing NM_001048209. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAAACCATCCAGCCAAAAATGCACAATTCTATCTCTTGGCAATCTTACGGGGCTGGCTGCTCTG
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TACTTGGAAATTCAGGGCATCACCGAGGAGCAGTACGGGGACTACGAGTGCAGTGCCTCCAATGACGTG
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CAGTGGTACAAGGATGACAAAAGACTGATTGAAGGAAAGAAAGGGGTGAAAGTGGAAAACAGACCTTTC
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AAGCTGGGCCACACCAATGCCAGCATCATGCTATTTGGTCCAGGCGCCGTGAGGAGGTGAGCAACGGC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001048209

Insert Size: 1035 bp

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: [NM_001048209.1](#)

RefSeq Size: 3048 bp

RefSeq ORF: 1035 bp

Locus ID: 50863

UniProt ID: [Q9P121](#)

Cytogenetics: 11q25

Protein Families: Transmembrane

MW: 38 kDa

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 (2) differs in the 5' UTR and in the coding region compared to variant 3, resulting in a protein that maintains the reading frame but is shorter and has a distinct N-terminus, compared to isoform 3.