

Product datasheet for **RG213369**

HNT (NTM) (NM_001048209) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNT (NTM) (NM_001048209) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NTM
Synonyms:	CEPU-1; HNT; IGLON2; NTRI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213369 representing NM_001048209 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAACCATCCAGCCAAAAATGCACAATTCTATCTCTTGGCAATCTTCACGGGGCTGGCTGCTCTGT
GTCTCTTCCAAGGAGTGCCCGTGCAGCGGAGATGCCACCTTCCCAAAGCTATGGACAACGTGACGGT
CCGGCAGGGGAGAGCGCCACCCTCAGGTGCACTATTGACAACCGGGTCACCCGGTGGCTGGCTAAAC
CGCAGCACCATCCTCTATGCTGGGAATGACAAGTGGTGCCTGGATCCTCGCGTGGTCTTCTGAGCAACA
CCCAAACGCAGTACAGCATCGAGATCCAGAACGTGGATGTGTATGACGAGGGCCCTTACACCTGCTCGGT
GCAGACAGACAACCACCCAAAGACCTCTAGGGTCCACCTCATTGTGCAAGTATCTCCAAAATTGTAGAG
ATTTCTTCAGATATCTCCATTAATGAAGGGAACAATATTAGCCTCACCTGCATAGCAACTGGTAGACCAG
AGCCTACGGTTACTTGGAGACACATCTCTCCAAAGCGGTTGGCTTTGTGAGTGAAGACGAATACTTGGAA
AATTCAGGGCATCACCAGGGAGCAGTACAGGGACTACGAGTGCAGTGCCTCCAATGACGTGGCCGCGCCC
GTGGTACGGAGAGTAAAGGTCACCGTGAACATCCACCATACATTTGAGAAGCCAAGGGTACAGGTGTCC
CCGTGGGACAAAAGGGGACACTGCAGTGTGAAGCCTCAGCAGTCCCCTCAGCAGAATTCAGTGGTACAA
GGATGACAAAAGACTGATTGAAGGAAAGAAAGGGTAAAAGTGGAAAACAGACCTTCTCTCAAACCTC
ATCTTTCAATGTCTCTGAACATGACTATGGAACTACACTTGGTGGCCTCCAACAAGTGGGCCACA
CCAATGCCAGCATCATGCTATTTGGTCCAGGCGCCGTGAGGAGGTGAGCAACGGCACGTGAGGAGGGC
AGGCTGCGTCTGGCTGCTGCCTCTTCTGGTCTTGCACCTGCTTCTCAAATTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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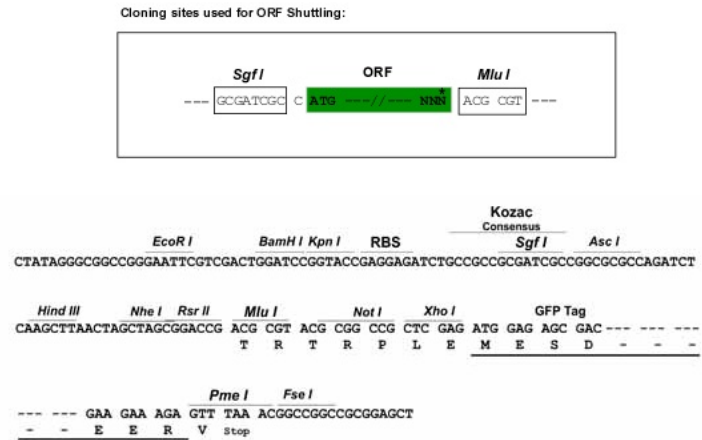
Protein Sequence: >RG213369 representing NM_001048209
 Red=Cloning site Green=Tags(s)

MKTIQPKMHNSISWAIFTGLAALCLFQGVPRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLN
 RSTILYAGNDKWCLDRPVVLLSNTQTQYSIEIQNVDDVYDEGPYTCVQTDNHPKTSRVHLIVQVSPKIVE
 ISSDISINEGNNISLTCIATGRPEPTVWRHISPKAVGFVSEDEYLEIQGITREQSGDYECASNDVAAP
 VVRRVKVTVNYPPIYSEAKGTGVPVQKGLQCEASAVPSAEFQWYKDDKRLIEGKKGVKVENRPFLLSKL
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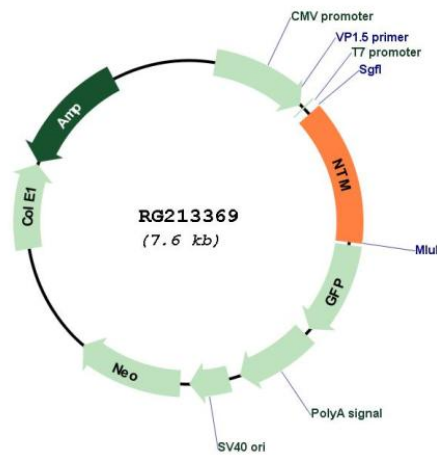
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001048209

ORF Size: 1032 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001048209.2
RefSeq Size:	3048 bp
RefSeq ORF:	1035 bp
Locus ID:	50863
UniProt ID:	Q9P121
Cytogenetics:	11q25
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]