

Product datasheet for **MG211610**

Nnt (NM_008710) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nnt (NM_008710) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nnt
Synonyms:	4930423F13Rik; AI323702; BB168308
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211610 representing NM_008710 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCACCTACTGAAGACGGTGGTGGCTGGCTGTTTCATGTCCTTTCCTTAGCAACTTGGGGTCTCTA
AGGTTCTACCTGGGAAGAGAGACTTTGTACGAATGCTTCGACTCACCAGGCACTGTGGTGTAAATCCCC
GGTAAAGCCAGGAATCCATATAAGCAGTTGACAGTTGGGGTCCCAAGGAGATTTCCAAAACGAGAAG
CGAGTTGCATTGTCTCCTGCGGGGTCCAGGCCCTGGTCAAGCAGGGCTCAATGTTGTCGTGGAATCAG
GCGCAGGCGAAGCTTCCAAGTCCAGATGACCTCTACAGAGCAGCAGGGGCCAGATCCAAGGGATGAA
GGAAGTCTGGCTTCTGATCTGGTGGTCAAAGTGAGGGCCCCATGGTGAACCCGACGTTAGGCGCTCAC
GAAGCTGACTTTTTAAAGCCATCAGAACTCTAATTAGCTTCATCTACCCAGCCAAAATCCAGACTTGC
TCAATAAACTTTCTGAAAGAAAAACACAGTCTGGCGATGGACCAGGTTCCAAGAGTGACAATAGCTCA
GGGCTATGATGCTCTCAGTTCCATGGCCAAACATCTCTGGTTATAAGGCTGTTGTTTTAGCAGCGAATCAT
TTTGGGAGGTTTTCACTGGGCAGATCACAGCTGCTGGAAAAGTCCCCCTGCGAAGATCCTGATAGTTG
GTGGTGGCGTTGCTGGGCTCGCTTCTGCGGGGGCAGCAAAGTCGATGGGCGCAGTTGTCCGAGGATTTGA
TACAAGAGCTGCCGCTTTGGAACAGTTCAAATCCCTTGGTGTGAACCTTGGAGGTTGACTTGAAGGAA
TCTGGTGAGGGCCAAGGAGGATACGCGAAAGAGATGCCAAAGAGTTCATTGAAGCTGAAATGAAGCTCT
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GGAGGAACTTTGAAACGACTAAGCCGGGAGAAGTTTACGTTTATAAGGGAATCACTCATAATTGGCTACA
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CATGTACACAAAGACACTGACGACAGCATCTGTGTACTCGCAGGTCTCACTGGGATGTTAGGTTTGGC



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ATCGTGGCCCCAATGTAGCCTTTTCTCAGATGGTGACCACTTTTGGCCTAGCCGGCATTATTGGCTACC
 AACTGTTTGGGGAGTGACCCCTGCTCTCCACTCACCGCTGATGTCTGTGACCAATGCCATCTCAGGTTT
 GACTGCAGTTGGTGGGCTGGCGTTGATGGGAGGGCATTATTCCTCCACAACCTTCTCAGAGTCTTGCT
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 GCCGGTCTTGAGGTCTGGAAGTCCAAACAGTCAATGTGTCATGAAGAGGTCCTTGGCGTTGGCTACGCT
 GCCGTGGACAATCCGATCTTCTACAAACCTAACACAGCTATGCTTCTGGGGACGCCAAGAAGACATGTG
 ACGCTCTGCAGGCCAAAGTTCGGAATCCTATCAGAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG211610 representing NM_008710
 Red=Cloning site Green=Tags(s)

MAHLLKTVVAGCSCPFLSNLGGSSKVLPGKRDFVRLRTHQALWCKSPVKPGIPYKQLTVGVPKEIFQNEK
 RVALSPAGVQALVKQGFNVVVEGAGEASKFPDDLRYAAGAQQGMKEVLASDLVVKVRAPMVNPTLGAH
 EADFLKPSGTLISFIYPAQNPDLLNKLSEKTTVLAMDQVPRVTIAQGYDALSSMANISGYKAVVLAANH
 FGRFFTGQITAAGKVPPAKILIVGGVAGLASAGAAKSMGAVVRGFDTRAAALEQFKSLGAEPLEVDLKE
 SGEGQGGYAKEMSKEFIEAEMKLF AQQCKEVDILISTALIPGKKAPVLF SKEMIESMKEGSSVVVLAEEA
 GGNFETTKPGELVYHKGITHIGYTDLP SRMATQASTLYSNNITKLLKAI SPDKDNFHFVKKDDDFDGTMS
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 IVAPNVAFSQMVTTFFLAGIIGYHTVWGVTPALHSPLMSVTNAISGLTAVGGLALMGGHFYPTSSQSLA
 ALATFISSVNIAGGFLVTQRMLDMFKRPTDPEYNYLYLLPGGTFVGGYLAALYGGYNIEEIMYLGSLC
 CVGALGGLSTQGTARLGNALGMIGVAGGLAATLGGKPDQPQLLAQMSGAMAMGGTIGLTI AKRIQISDLP
 QLVAAFHSLVGLAAVLTCMAEYIVEYPHFAMDATS NFTKIVAYLGTYIGGVTFSGSLVAYGKLQGILKSA
 PLLLPRGRHALNAGLLAASVGGIIPFMADPSFTTGITCLGSVSALSTLMGVTLTAAIGGADMPVITVLS
 YSGWALCAEGFLLNNLLTIVGALIGSSGAILSYIMCVAMNRSANVILGGYGTSTAGGKPMESGTHT
 EINLDNAVEMIREANSIVITPGYGLCAAKAQYPIADLVKMLTEQGKVRFGIHPVAGRMPGQLNVLLAEA
 GVPYDILEMDEINSDFPDTDLVLVIGANDTVNSAAQEDPNSIIAGMPVLEVVWKSQVIVMKRSLGVGYA
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TRTRPLE – GFP Tag – V

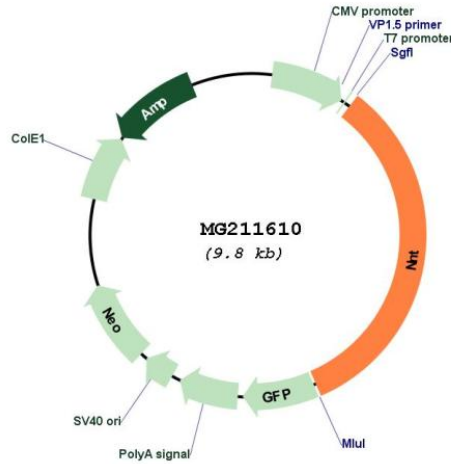
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008710

ORF Size: 3258 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:	<u>NM_008710.3, NP_032736.2</u>
RefSeq Size:	5355 bp
RefSeq ORF:	3261 bp
Locus ID:	18115
Cytogenetics:	13 67.21 cM