

Product datasheet for **RR209345**

Nnt (NM_001013157) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nnt (NM_001013157) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nnt
Synonyms: MGC109126
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209345 representing NM_001013157
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCACATCTACTGAAAACGGTGGTACTGGCTGTTTATGTCCTTCTGTTAGCAATTTGGGGTCTGTAA
 AGTTCTACCTGGGAAGAAAGACTTTTTACGAACATTTCTGACCCACCAGGCACTGTGGTGTAAATCCCC
 GGCAAAACCAGGAATTCATATAAGCAGTTGACAGTTGGGGTCCCAAGGAGATTTCCAAAATGAGAAG
 CGAGTTGCCTTGCTCCTGCTGGTGTCCAGGCCCTGGTCAAGCAGGGTTTTAACGTTGTTGTGGAATCAG
 GAGCAGGCGAAGCTTCCAAATCCAGATGATCTCTACAGAGCAGCAGGGGCCAGATCCAAAGGAACGAA
 GGAAGTTCTGGCTTCTGATCTGGTGGTCAAAGTGAAGGGCCCCATGGTGAACCCGACGTTAGGTGCTCAT
 GAAGCTGACTTTTTAAAGCCCTCAGGAACCTAATTAGCTTCATTTACCCAGCCCAAAATCCAGACTTGC
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 TACAAGAGCTGCCGCTTGAACAGTTCAAATCCCTTGGTCTGAACCTTGGAGGTGGACTTGAAGGAG
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ACACTGTCTGGGAGTGACCCCTGCTCTCCACTCACCCTGATGTCTGTGACCAATGCTATCTCAGGTTT
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 ATGCTCTGCAGGCCAAAGTTCGAGAATCCTATCAGAAG

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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209345 representing NM_001013157
 Red=Cloning site Green=Tags(s)

MAHLLKTVVVGCLCPSVSNLGSCKVLPGKKDFLRTFRTHQALWCKSPAKPGIPYKQLTVGVPKEIFQNEK
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 EADFLKPSGTLISFIYPAQNPDLLNKLSEKTTVLAMDQVPRVTIAQGYDALSSMANISGYKAVVLAANH
 FGRFFTGQITAAGKVPPAKILIVGGVAGLASAGAAKSMGAVVRGFDTRAAALEQFKSLGAEPLEVDLKE
 SGEGQGGYAKEMSKEFIEAEMKLFQCKEVDILISTALIPGKKAPVLFSEKEMIESMKEGSSVVVLAEEA
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 ALATFISSVNIAGGFLVTRMLDMFKRPTDPEYNYLYLLPGGTFVGGYLAALYGGYNIEEIMYLGSLC
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 QLVAAFHSLVGLAAVLTCMAEYIIVEYPHFAMDATSNFTKIVAYIGTYIGGVTFSGSLVAYGKLQGILKSA
 PLLLPRGRHALNAGLLAASVGGIIPFMADPSFTTGIMCLGSVSALSTLMGVTLTAAIGGADMPVITVLS
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 EINLDNAVEMIREANSIVITPGYGLCAAKAQYPIADLVKMLTEQKKVRFGIHPVAGRMPGQLNVLLAEA
 GVPYDILEMDEINSDFPDTDLVLVIGANDTVNSAAQEDPNSIIAGMPVLEVWKSQVIVMKRSLGVGYA
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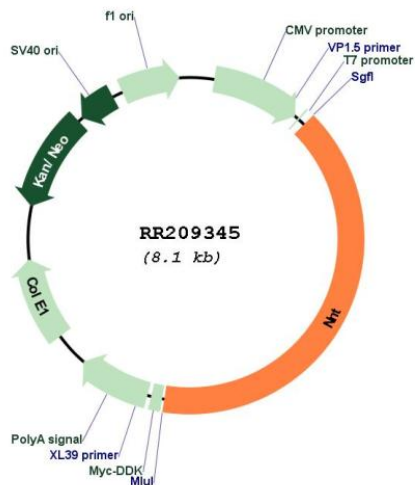
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001013157

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_001013157.1, NP_001013175.1</u>
RefSeq Size:	4149 bp
RefSeq ORF:	3261 bp
Locus ID:	310378
Cytogenetics:	2q15
MW:	113.9 kDa