

Product datasheet for **RG207703**

Netrin 5 (NTN5) (NM_145807) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Netrin 5 (NTN5) (NM_145807) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Netrin 5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG207703 representing NM_145807
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGTGACCTTTGCCCTCCTGCTCCTCTGGGCCAGGCCACTGCGGACCCATGCTACGATCCACAGG
 GCCGCCCCCAATTCTGCCTCCCGCCAGTGACACAGCTGGCTGCCGTGGCGCCTCCTGCCCTCAGGCCTG
 TGCCCTGTCCCCAGGAAACACCTTGGCGCCAGGAAACCTGCAATGGCAGCCTGACTTTGGCCCTGGGT
 GGCCCTTCTCCTGACATCTGTGAGCTTGCCTTCTGTACCCAGGACCCAGCCCTCATCTGTCTG
 CTGCCTGGGCCTCAGGGGTCCCTGGAGGCTGCTGTGGCACAGGCCCGCCTGGCCTGGGGCCTTAGGGG
 CCCTGAAAGGGTGACCTTCCACTCCACACCAGGTCCTAAGGCCACTGTGGCGGCCAGCCACTCCGTGTG
 GAGTTTGGGGGCCAGGCCGGCTAGCGGCAGCTGGGCTGAGAGGCCGCTGCCAGTGTATGGCCACGCTG
 CCCGCTGTGCCCGCCGTGCCCGCCCCCGCTGCCACTGCCGCCACCATAACACTGGCCCGGGGTGCGA
 GAGCTGCCGCCCTCCATCGAGACTGGCCTGGCGGCCTGCCAGCCCCGGCACCCCCACCTTGCCTA
 CCCTGCTCCTGCAACCAGCACGCCGACGCTGCCGGTTCAACTCTGAGCTGTTACAGACTGTGGGGCGCC
 GGAGTGGGGGTGTTTGTGAGCGGTGCCGCCACCACACAGCTGGCGGCACTGCCACTACTGCCAACCTGG
 GTTCTGGAGGGACCTAGCCAGCCTATCTTCAGCCGAGGGCCTGCAGAGCCTGCCAGTGCCACCCTATT
 GGGGCAACAGGAGGAACCTGCAACCAGACCAGTGGGCAGTGCACCTGCAAGTTAGGGGTACAGGCCTGA
 CCTGCAACCGCTGTGGCCCTGGTACCAGCAGAGCCGCTCCCCAGGATGCCCTGCCAGCGAATTCAGA
 GGCAACAACACCTTGCCACTACTCCTGGTGCTTATAGCTCTGACCCTCAGTGTCAAACACTACTGCAAT
 ATGTCGGACACCAGGGTACACATGAGCCTTCGGAGGTAAGTCCAGCAGGACCATGTTCTCCGCGCCAGG
 TGCTAGCGTCCGAGGCGCGGGCCCGCATGGCAGCGGCTGGCCGTGCGCGTGTGGCCGTTTACAAGCA
 GCGGGCGCAGCCCGTGGCAGCGGCGACAGGACGCGCTGGGTGCCCGCGCCGACCTGACCTGCCGCTGC
 CTGCGCCTGCAGCCAGGACCGACTACCTGCTGCTGGGACGCGCGTGGGCGACCCCGACCCACGCGCC
 TCATCCTCGACCGCCACGGCCTCGCGCTGCCATGGAGGCCGCGTGGGCCCGGCCCTGAAGCGGCTGCA
 GCAGGAGGAGCGCGCGGAGGCTGCCGCGCGTGGGGCACCCACACCCAGCCCCAGGCCGGAGCAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG207703 representing NM_145807
 Red=Cloning site Green=Tags(s)

MPVTFALLLLLQATADPCYDPQGRPQFCLPPVTQLAAVAASCPQACALSPGNHLGARETCNGSLTLALG
 GPFLLSVSLRFCTPGPPALILSAAWASGGPWRLWHRPAWPGALGGPERVTFHSTPGPKATVAASHLRV
 EFGGQAGLAAAGLRGRCQCHGHAARCAARARPPRCHCRHHTTGPGESECRPSHRDWPWRPATPRHPHCL
 PCSCNQHARRCRFNSELFRLSGGRSGGVCERCRRHHTAGRHCHYCQPGFWRDPSQPIFSRRACRACQCHPI
 GATGGTCNQTSQCTCKLGVTLTCNRCGPGYQQSRSPRMPQRIPEATTTLATTPGAYSSDPQCQNYCN
 MSDTRVHMSLRRYCQDHLRAQVLAASEAAGPAWQRLAVRVLAVYKQRAQPVRRGDQDAWVPRADLTCG
 LRLQPSTDYLLLGSVAGDPDPTRLILDRHGLALPWRPRWARPLKRLQEEERAGGCRGVRAPTPSPRPEH

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_145807

ORF Size: 1467 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:

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_145807.3](#)

RefSeq Size: 1898 bp

RefSeq ORF: 1470 bp

Locus ID: 126147

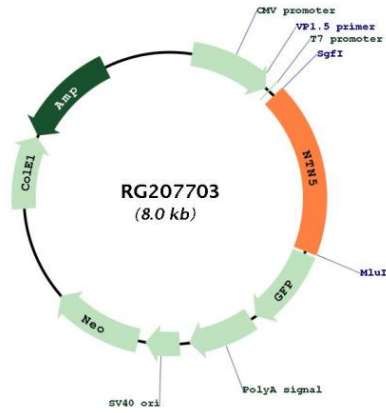
UniProt ID: [Q8WTR8](#)

Cytogenetics: 19q13.33

Gene Summary:

Plays a role in neurogenesis. Prevents motor neuron cell body migration out of the neural tube.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207703