

Product datasheet for **MG216869**

Ntn5 (NM_001033356) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Ntn5
Synonyms:	Gm484
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG216869 representing NM_001033356
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACCGACTACAGGACACTCTTTTCTTCCAGGTGCCGGCTCTACTGTGACCAGCCCATTACCTCA
 GCCTCTTGCTCCTCCTTAGCCAGGCCACCTCAGACCCATGCTATGATCCAGGAGGGCGCCCTCGCTTTG
 CCTCCACCAAGTACCCAGTTGGTTGGCAAGGCAGCAGCCCTGCTCTCAGACCTGTGCTCTTCTGCA
 GCCAGCCCTGGCCCTGCCTGCAACAGTAGTCTGACCCCTGGACCTGGACGGCTCCTTCTCTTGACATCTG
 TGACCCCTGCGTTTCTGCACAGCGGGACCTCCAGCCCTGGTTCTTTCTGCTGCCGCGCCACTGGGGGGCC
 CTGGAGGCCACTATGGCGTAGGCCTGCCTGGCCTGGGGCTCTGGGGGGCCCAAGAAGGTAACCTTTAC
 TCCCCCAGGCCCAAGACCAGGATAGTGCCAGCTACCTCCGTGTGGAGTTCGGGGGAAAAGCAGGGC
 TGGTGACCACTGGAGTAAGAGGCGCTGCCAGTGCCACGGCCACGCTGCCCGCTGTGCCACTCGGGCCCA
 GCCCCACGCTGCCGCTGCCGCCACCACACCCTGGCCAGGGTGTGAGAGCTGTGCCCATCCCATCGA
 GACTGGCCCTGGCGACCTGCCACACCCAGCACCCCTACCCGTGCTTGCCTGCCAGTGCCACCCAATTG
 GAGCAACGGGAGGGATGTGCAACCAGACCAGTGCCAGTGCTCCTGCAAGTTAGGGGTCACAGGCCTGAC
 ATGCAATCGCTGTGGTCTGGTACCAGCAGAGCCGCTCACCCAGGATGCCCTGCCAACGAATCCAGAG
 GCAACAACCTACCCCTGCTACTACCCCTGTTGCATCTCGATCAGACCCACAGTGTCAAGGCTATTGCAATG
 TCTCCGTGAGCAGTGTGCACATGAGCCTTACAGAGATACTGTGAGCAGGATTATGTTCTGCACGCCAGGT
 TTCAGCGTCGTCGTCGACCCGCTGAGGGCGTGGGCCCGAGTGGTGGCGGCTGGCCGTGCACGTGCTG
 GCTGTGTTCAAACAGCGTGCCTGGCCCGTGCGCCGCGTGGCCAGGAGGCTGGGTGCCACGTGCTGACC
 TAATCTGGCGTGCCTGCGCCTGCGCCTGGCGCTGACTACCTCCTGCTGGCCGTGCTGCGCAGACCCA
 CGACGACGACAACCTATGACCCCTGCGCGCCTCATCCTGAACCGCCACGGCCTCGCGCTGCCCTGGAGACCA
 CGATGGGCCCGCCGCTGCGGCGACTGCAGCAGAAGGAGCGCGGAGGTGCCCTGCCGAGGCCTGCTGCCAC
 CCACACGGAGCCCTGGGCCAGGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216869 representing NM_001033356
 Red=Cloning site Green=Tags(s)

MTDYRTLFSPPGAGSTVTPITLSLLLLLSQATSDPCYDPGGRPRFCLPPVTQLVKGAAAPCSQTCALPA
 ASPGPACNSSLTLDLDSFLLTSVTLRFCTAGPPALVLSAAWATGGPWRPLWRRPAWPALGGPKVTFH
 SPPGPKTRIVASYLRVEFGGKAGLVTTGVRGRCQCHGHAARCATRAQPPRCRCRHHTTGPGESECRPSHR
 DWPWRPATPQHHPCLPCQCHPIGATGGMCNQTSGQCCKLGVTLTCNRCGPGYQQSRSPRMPQRIPE
 ATTTPATTPVASRSDPQCQGYCNVSVSSVHMSLQRYCQDYVLHAQVSASSQPSEAVGPEWRLAVHVL
 AVFKQRAWPVRRGGQEAWVPRADLICGLRLRPGADYLLLGRAAQTHDDNDYDPARLILNRHGLALPWRP
 RWARPLRRLQKQKERRGACRGLLPPTRSPGPRN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033356

ORF Size: 1356 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).

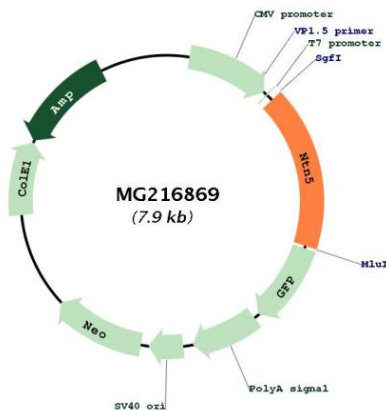
Reconstitution Method:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001033356.3](#), [NP_001028528.2](#)

RefSeq Size:	1574 bp
RefSeq ORF:	1359 bp
Locus ID:	243967
UniProt ID:	Q3UQ22
Cytogenetics:	7 B3
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 MG216869