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# Product datasheet for MC227418

## Ntn5 (NM_001289693) Mouse Untagged Clone

## Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Ntn5 (NM_001289693) Mouse Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | Ntn5 |
| **Synonyms:** | Gm484 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**Fully Sequenced ORF:**

```
>MC227418 representing NM_001289693
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCGACTACAGGACACTCTTTTCTTCTCCAGGCCCCAAGACCAGGATAGTGGCCAGCTACCTCCGTG
TGGAGTTCGGGGGAAAAGCAGGGCTGGTGACCACTGGAGTAAGAGGCCGCTGCCAGTGCCACGGCCACGC
TGCCCGCTGTGCCACTCGGGCCCAGCCCCCACGCTGCCGCTGCCGCCACCACACCACTGGCCCAGGGTGT
GAGAGCTGTCGCCCATCCCATCGAGACTGGCCCTGGCGACCTGCCACACCCCAGCACCCTCACCCGTGCT
TGCCCTGTTCCTGCAATCAGCATGCCCGCCGCTGCCGATTCAACTCCGAGCTATTCAGGTTGTCAGGTGG
CCGTAGTGGGGGTGTGTGTGAGCGGTGCCGCCACCACACAGCTGGGCGGCACTGTCACTACTGCCAGCCA
GGGTTCTGGAGGGACCCGAGCCAGCCCATCACTAGTCACAAGGCATGCAGGGCCTGCCAGTGCCACCCAA
TTGGAGCAACGGGAGGGATGTGCAACCAGACCAGTGGCCAGTGCTCCTGCAAGTTAGGGGTCACAGGCCT
GACATGCAATCGCTGTGGTCCTGGCTACCAGCAGAGCCGCTCACCCAGGATGCCCTGCCAACGAATTCCA
GAGGCAACAACTACCCCTGCTACTACCCCTGTTGCATCTCGATCAGACCCACAGTGTCAAGGCTATTGCA
ATGTCTCCGTCAGCAGTGTGCACATGAGCCTTCAGAGATACTGTCAGCAGGATTATGTTCTGCACGCCCA
GGTTTCAGCGTCGTCGTCGCAGCCGTCTGAGGCGGTGGGCCCCGAGTGGTGGCGGCTGGCCGTGCACGTG
CTGGCTGTGTTCAAACAGCGTGCGTGGCCCGTGCGCCGCGGTGGCCAGGAGGCCTGGGTGCCACGTGCTG
ACCTAATCTGCGGCTGCCTGCGCCTGCGCCCTGGCGCTGACTACCTCCTGCTGGGCCGTGCTGCGCAGAC
CCACGACGACGACAACTATGACCCTGCGCGCCTCATCCTGAACCGCCACGGCCTCGCGCTGCCCTGGAGA
CCACGATGGGCCCGGCCGCTGCGGCGACTGCAGCAGAAGGAGCGCGGAGGTGCCTGCCGAGGCCTGCTGC
CACCCACACGGAGCCCTGGGCCCAGGAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

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| | |
|---|---|
| **Restriction Sites:** | SgfI-MluI |
| **ACCN:** | NM_001289693 |
| **Insert Size:** | 1152 bp |
| **OTI Disclaimer:** | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| **OTI Annotation:** | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| **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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001289693.1, NP_001276622.1 |
| **RefSeq Size:** | 1761 bp |
| **RefSeq ORF:** | 1152 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] |

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