

Product datasheet for **MC209060**

Ntf3 (NM_001164034) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ntf3 (NM_001164034) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ntf3
Synonyms: AI316846; AI835689; HDNF; NGF-2; NT; NT-; Nt3; Ntf-; Ntf-3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209060 representing NM_001164034
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTTACTTCTGCCACGATCTTACAGGTGAACAAGGTGATGTCCATCTTGTTTTATGTGATATTTCTTG
CTTATCTCCGTGGCATCCAAGGCAACAGCATGGATCAAAGGAGTTTGCCGAAGACTCTCTCAATCCCT
CATCATCAAGCTGATCCAGGCGGATATCTTGAAAAACAAGCTTTCCAAACAGATGGTGGATGTTAAGGAA
AATTACCAGAGCACCTTGCCCAAAGCAGAGGCACCCAGGGAACCAGAGCAGGGAGAGGCCACCAGGTGAG
AGTTCCAGCCAATGATTGCAACGGACACAGAGCTACTACGGCAACAGAGACGCTACAATTCGCCCCGGGT
CCTGCTGAGTGACAGCACCCCTTTGGAGCCCCCTCCCTTATACCTAATGGAGGATTATGTGGCAACCCG
GTGGTAGCCAATAGAACCTCACACGGAGGAAACGCTATGCAGAACATAAGAGTCACCGAGGAGAGTACT
CAGTGTGTGACAGTGAGAGCCTGTGGGTGACCGACAAGTCCTCAGCCATTGACATTCGGGGACACCAGGT
CACAGTGTGGGGGAGATCAAAACCGTAACTCTCCTGTGAAACAATATTTTTATGAAACGAGATGTAAA
GAAGCCAGGCCGGTCAAAACCGTTGCAGGGGGATTGATGACAAACACTGGAACCTCTCAGTGCAAACTT
CGCAAACCTATGTCCGAGCACTGACTTCAGAAAACAACAACCTCGTAGGCTGGCGCTGGATACGAATAGA
CACTTCCTGTGTGTGCCTTGTGAGAAAAATTGGAAGAACA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001164034
Insert Size: 816 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_001164034.1](#), [NP_001157506.1](#)

RefSeq Size: 1453 bp

RefSeq ORF: 816 bp

Locus ID: 18205

UniProt ID: [P20181](#)

Cytogenetics: 6 60.45 cM

Gene Summary: This gene encodes a member of the neurotrophins that have a wide variety of functions in both neural and non-neural tissues. The encoded preproprotein undergoes proteolytic processing to generate a noncovalently linked homodimeric mature protein that can bind to the transmembrane receptor tyrosine kinases to initiate a series of signaling events. Mice lacking the encoded protein exhibit severe defects in the peripheral nervous system including a complete lack of spinal proprioceptive afferents and their peripheral sense organs. [provided by RefSeq, Sep 2016]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Both variants 1 and 2 encode the same isoform.