

Product datasheet for **MC209059**

Ntf3 (NM_001164035) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ntf3 (NM_001164035) 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:	>MC209059 representing NM_001164035 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTTACTTCTGCCACGATCTTACAGGTGAACAAGGTGATGTCCATCTTGTTTTATGTGATATTTCTTG
CTTATCTCCGTGGCATCCAAGGCAACAGCATGGATCAAAGGAGTTTGCCGGAAGACTCTCTCAATCCCT
CATCATCAAGCTGATCCAGGCGGATATCTTGAAAAACAAGCTTTCCAAACAGATGGTGGATGTTAAGGAA
AATTACCAGAGCACCTGCCAAAGCAGAGGCACCCAGGGAACAGAGCAGGGAGAGGCCACCAGGTGAG
AGTTCAGCCAATGATTGCAACGGACACAGAGCTACTACGGCAACAGAGACGCTACAATTCGCCCCGGGT
CCTGCTGAGTGACAGCACCCCTTTGGAGCCCCCTCCCTTATACCTAATGGAGGATTATGTGGCAACCCG
GTGGTAGCCAATAGAACCTCACACGGAGGAAACGCTATGCAGAACATAAGAGTCACCGAGGAGAGTACT
CAGTGTGTGACAGTGAGAGCCTGTGGGTGACCGACAAGTCCTCAGCCATTGACATTCGGGGACACCAGGT
CACAGTGTGGGGGAGATCAAAACCGTAACTCTCCTGTGAAACAATATTTTTATGAAACGAGATGTAAA
GAAGCCAGGCCGGTCAAAACGGTTGCAGGGGGATTGATGACAAACACTGGAACCTCTCAGTGCAAACTT
CGCAAACCTATGTCCGAGCACTGACTTCAGAAAACAACAACCTCGTAGGCTGGCGCTGGATACGAATAGA
CACTTCCTGTGTGTGCCTTGTGAGAAAAATTGGAAGAACA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001164035
Insert Size:	816 bp



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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).
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_001164035.1</u> , <u>NP_001157507.1</u>
RefSeq Size:	1368 bp
RefSeq ORF:	816 bp
Locus ID:	18205
UniProt ID:	<u>P20181</u>
Cytogenetics:	6 60.45 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (a).</p>