

## Product datasheet for MC211875

### Ntf5 (NM\_198190) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ntf5 (NM_198190) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ntf5
Synonyms:	2900040K06Rik; AI462899; NT; NT-; NT-4; NT-5; NT4; NT4/; NT4/5; Ntf; Ntf-; Ntf-5; Ntf4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC211875 representing NM_198190 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCCCTCGCCACTCCTGTTCTCTCCTCCTTTTCTCTTCTCCTCCCCAGCGTCCCATGGAGCCCC  
ACCCCCATCCTCCACCCTGCCCCATTCTGGCCCTGAGTGGGACCTTTGTCTCCCCGAGTGGCCCT  
GTCAAGGGGGCCCTGCCGGGCCCTCTCCTTCTGCTGGAGGCCGGGCCTATGGAGAGCCGGCA  
GGGGCCCCAGCCAACCGCAGCCGCGCGGGGTGAGTGAGACCGCACCCGCAAGCCGCCGGGTGAGCTGG  
CAGTATGCGACGCACTGAGTGGCTGGGTGACCGACCGCGGACAGCTGTGGACTTGCCTGGGCGCGAGGT  
GGAGGTGCTGGGCGAGGTGCCTGCGGCAGGTGGCAGTCCCTGCGTCAGTACTTCTCGAGACGCGCTGC  
AAGGCCGAAAGCGCTGGGGAAGGTGGCCAGGTGTGGGCGGAGGGGGTTGTGCGGCGTGGATCGGAGGC  
ACTGGCTCTCAGAATGCAAGGCTAAGCAGTCCTATGTGCGGGCGTTGACTGCAGACTCCCAGGGCCGCGT  
AGGCTGGCGCTGGATTCGGATCGACACAGCTTGCCTGTCACGCTCCTCAGCCGAACAGGCCGAGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_198190
Insert Size:	630 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).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_198190.1</a></u> , <u><a href="#">NP_937833.1</a></u>
<b>RefSeq Size:</b>	2027 bp
<b>RefSeq ORF:</b>	630 bp
<b>Locus ID:</b>	78405
<b>UniProt ID:</b>	<u><a href="#">Q80VU4</a></u>
<b>Cytogenetics:</b>	7 29.3 cM
<b>Gene Summary:</b>	This gene encodes a secreted protein belonging to the neurotrophin family of structurally related molecules that play a crucial role in the control of neuronal numbers and of dendritic growth. The encoded preproprotein undergoes post-translational processing to generate non-covalently associated homodimeric functional protein. Mice deficient in the encoded protein exhibit a loss of sensory neurons in the nodose-petrosal and geniculate ganglia, have deficits in long-term memory and hippocampal long-lasting long-term potentiation. [provided by RefSeq, Oct 2015]