

Product datasheet for **MR223189**

Ntf3 (NM_001164034) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ntf3 (NM_001164034) Mouse Tagged ORF Clone
Tag: Myc-DDK
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
ORF Nucleotide Sequence: >MR223189 representing NM_001164034
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCCATCTGTTTTATGTGATATTTCTTGCTTATCTCCGTGGCATCCAAGGCAACAGCATGGATCAAA
GGAGTTTGCCGGAAGACTCTCTCAATCCCTCATCATCAAGCTGATCCAGGCGGATATCTTGAAAAACAA
GCTTTCCAACAGATGGTGGATGTTAAGGAAAATTACCAGAGCACCTGCCCAAAGCAGAGGCACCCAGG
GAACCAGAGCAGGAGAGGCCACCAGGTCAGAGTTCAGCCAATGATTGCAACGGACACAGAGCTACTAC
GGCAACAGAGACGCTACAATTCGCCCGGGTCTGCTGAGTGACAGCACCCCTTTGGAGCCCCCTCCCTT
ATACCTAATGGAGGATTATGTGGCAACCCGGTGGTAGCCAATAGAACCTCACCACGGAGGAAACGCTAT
GCAGAACATAAGAGTCACCGAGGAGAGTACTCAGTGTGTGACAGTGAGAGCCTGTGGGTGACCGACAAGT
CCTCAGCCATTGACATTCGGGGACACCAGGTCACAGTGTGGGGGAGATCAAACCGTAACTCTCCTGT
GAAACAATATTTTTATGAAACGAGATGTAAGAAGCCAGGCCGGTCAAAAACGGTTCAGGGGGATTGAT
GACAAACTGGAACCTCAGTGCAAACTTCGCAAACCTATGTCCGAGCACTGACTTCAGAAAAACA
AACTCGTAGGCTGGCGCTGGATACGAATAGACACTTCTGTGTGTGTGCCTTGTCGAGAAAAATTGGAAG
AACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223189 representing NM_001164034
Red=Cloning site Green=Tags(s)

MSILFYVIFLAYLRGIQGNMSMDQRSLPEDSLNSLI IKLIQADILKNKLSKQMV DVKENYQSTLPKAEAPR
 EPEQGEATRSEFQPMIATDELLRQRRYNSPRVLLSDSTPLEPPPLYLMEDYVGNPVVANRTSPRRKRY
 AEHKSHRGEYSVCDSESLWVTDKSSAIDIRGHQVTVLGEIKTGNSPVKQFYFYETRCKEARPVKNGCRGID
 DKHWNSQCKTSQTYVVRALTSENNKLVGWRWIRIDTSCVICALSRKIGRT

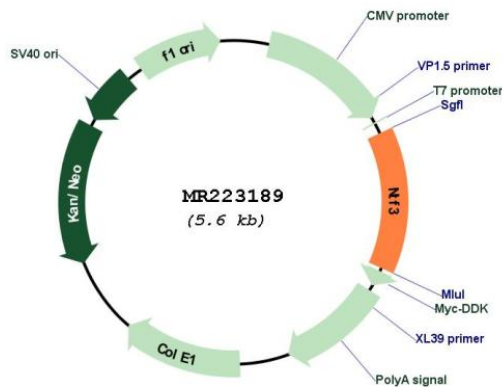
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001164034
ORF Size: 813 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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 Size:	1453 bp
RefSeq ORF:	816 bp
Locus ID:	18205
UniProt ID:	P20181
Cytogenetics:	6 60.45 cM
MW:	31.4 kDa
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>