Product datasheet for MG203333

Ntf3 (NM_008742) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ntf3 (NM_008742) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ntf3
Synonyms:	AI316846; AI835689; HDNF; NGF-2; NT; NT-; Nt3; Ntf-; Ntf-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203333 representing NM_008742 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCATCTTGTTTTATGTGATATTTCTTGCTTATCTCCGTGGCATCCAAGGCAACAGCATGGATCAAA
GGAGTTTGCCGGAAGACTCTCTCAATTCCCTCATCATCAAGCTGATCCAGGCGGATATCTTGAAAAACAA
GCTTTCCAAACAGATGGTGGATGTTAAGGAAAATTACCAGAGCACCCTGCCCAAAGCAGAGGCACCCAGG
GAACCAGAGCAGGGAGAGGCCACCAGGTCAGAGTTCCAGCCAATGATTGCAACGGACACAGAGCTACTAC
GGCAACAGAGACGCTACAATTCGCCCCGGGTCCTGCTGAGTGACAGCACCCCTTTGGAGCCCCCTCCCTT
ATACCTAATGGAGGATTATGTGGGCAACCCGGTGGTAGCCAATAGAACCTCACCACGGAGGAAACGCTAT
GCAGAACATAAGAGTCACCGAGGAGAGTACTCAGTGTGTGACAGTGAGAGCCTGTGGGTGACCGACAAGT
CCTCAGCCATTGACATTCGGGGACACCAGGTCACAGTGCTGGGGGAGATCAAAACCGGTAACTCTCCTGT
GAAACAATATTTTTATGAAACGAGATGTAAAGAAGCCAGGCCGGTCAAAAACGGTTGCAGGGGGATTGAT
GACAAACACTGGAACTCTCAGTGCAAAACTTCGCAAACCTATGTCCGAGCACTGACTTCAGAAAACAACA
AACTCGTAGGCTGGCGCTGGATACGAATAGACACTTCCTGTGTGTGTGCCTTGTCGAGAAAAATTGGAAG
AACA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

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Protein Sequence:

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>MG203333 representing NM_008742
Red=Cloning site Green=Tags(s)

MSILFYVIFLAYLRGIQGNSMDQRSLPEDSLNSLIIKLIQADILKNKLSKQMVDVKENYQSTLPKAEAPR
EPEQGEATRSEFQPMIATDTELLRQQRRYNSPRVLLSDSTPLEPPPLYLMEDYVGNPVVANRTSPRRKRY
AEHKSHRGEYSVCDSESLWVTDKSSAIDIRGHQVTVLGEIKTGNSPVKQYFYETRCKEARPVKNGCRGID
DKHWNSQCKTSQTYVRALTSENNKLVGWRWIRIDTSCVCALSRKIGRT

TRTRPLE - GFP Tag - V
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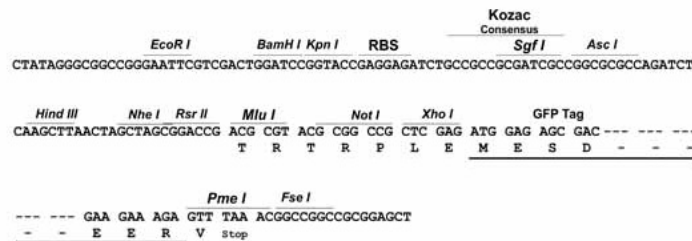
Chromatograms: https://cdn.origene.com/chromatograms/ja1842_e08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:
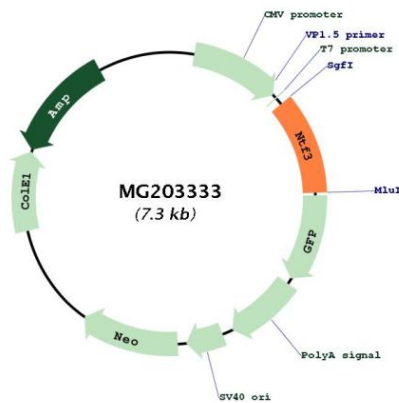

ACCN: NM_008742

ORF Size: 774 bp

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

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_008742.3, NP_032768.1
RefSeq Size:	1329 bp
RefSeq ORF:	777 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]

Product images:

Circular map for MG203333