

Product datasheet for **RG204535**

Neurotrophin 4 (NTF4) (NM_006179) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Neurotrophin 4 (NTF4) (NM_006179) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: Neurotrophin 4
Synonyms: GLC10; GLC10; NT-4; NT-4/5; NT-5; NT4; NT5; NTF5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG204535 representing NM_006179
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCCCTCTCCCTCATGCTCCCTCCCATCCTCCTCTTTCTCCTCCCAAGTGTGCCAATTGAGT
 CCCAACCCACCCTCAACATTGCCCTTTCTGGCCCTGAGTGGGACCTTCTCTCCCCCGAGTAGT
 CCTGTCTAGGGGTGCCCTGCTGGGCCCTCTGCTCTTCTGCTGGAGGCTGGGCTTTCTGGGAGTCA
 GCAGGTGCCCGCAACCGCAGCCGGCTGGGTGAGCGAACTGCACCAGCGAGTCGTGGGGTGGAGT
 TGCTGTGTGCGATGCAGTCAGTGGCTGGGTGACAGACCCTGGACCGCTGTGGACTTGCCTGGGCGCA
 GGTGGAGGTGTTGGCGAGGTGCCTGCAGCTGGCGGCAGTCCCCTCCGCCAGTACTCTTTGAAACCCGC
 TGCAAGGCTGATAACGCTGAGGAAGGTGGCCCGGGGCGAGGTGGAGGGGGCTGCCGGGAGTGGACAGGA
 GGCACTGGGTATCTGAGTGCAAGGCAAGCAGTCTATGTGCGGGCATTGACCGCTGATGCCAGGGCCG
 TGTGGGCTGGCGATGGATTGCAATTGACTGCCTGCGTCTGCACACTCCTCAGCCGGACTGGCCGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204535 representing NM_006179
 Red=Cloning site Green=Tags(s)

MLPLPSCSLPILLFLLLPSVPIESQPPPSTLPPFLAPEWDLSPRVVLSRGAPAGPPLLFLLEAGAFRES
 AGAPANRSGVSETAPASRRGELAVCDVSGWVTDRTAVDLRGREVEVLGEVPAAGGSPLRQYFFETR
 CKADNAEEGGPGAGGGGCRGVDRRHVWSECKAKQSYVRALTADAQGRVGRWIRIDTACVCTLLSRTGRA

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_006179

ORF Size: 630 bp

OTI Disclaimer: 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_006179.4](#)

RefSeq Size: 1021 bp

RefSeq ORF: 633 bp

Locus ID: 4909

UniProt ID: [P34130](#)

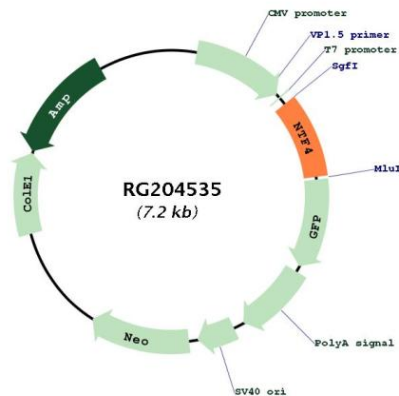
Cytogenetics: 19q13.33

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: MAPK signaling pathway, Neurotrophin signaling pathway

Gene Summary: This gene is a member of a family of neurotrophic factors, neurotrophins, that control survival and differentiation of mammalian neurons. The expression of this gene is ubiquitous and less influenced by environmental signals. While knock-outs of other neurotrophins including nerve growth factor, brain-derived neurotrophic factor, and neurotrophin 3 prove lethal during early postnatal development, NTF5-deficient mice only show minor cellular deficits and develop normally to adulthood. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204535