

Product datasheet for **RR212186**

Cntf (NM_013166) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cntf (NM_013166) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cntf
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR212186 representing NM_013166
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCGCAGAGCAAACACCTCTGACCCTTACCGCCGGACCTCTGTAGCCGTTCTATCTGGCTAG
CAAGGAAGATTCGTTTCAGACCTGACTGCTCTTATGGAATCTTATGTAACATCAGGGCCTGAATAAAAA
TATCAACCTTGACTCAGTGGATGGTGTACCAGTGGCAAGCACTGATCGTTGGAGTGAGATGACTGAGGCA
GAGCGACTCCAAGAGAACCTCCAGGCTTACCGTACCTTCAAGGGATGTTAACCAAGCTCTTAGAAGACC
AGAGAGTACATTTACCCCACTGAAGGTGACTTCCATCAGGCAATACATACTCTTATGCTCCAAGTTTC
TGCTTTGCCTACCAGCTAGAGGAGTTAATGGTCTTCTGGAACAGAAGATCCCTGAAAAATGAGGCTGAT
GGGATGCCTGCCACAGTTGGAGATGGTGGTCTCTTTGAGAAGAAGCTATGGGGCTTGAAGTCTCTCAAG
AGCTCTCACAGTGGACTGTGAGGTCTATCCATGACCTTCGTGTCATTTCTCTCATCAGATGGGAATCTC
AGCACTTGAGAGCCATTATGGGGCCAAAGATAAGCAGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212186 representing NM_013166
Red=Cloning site Green=Tags(s)

MAFAEQTPLTLHRRDLCSRSIWLARKIRSDLTALMESYVKHQGLNKNINLDSVDGVPVASTDRWSEMTEA
ERLQENLQAYRTFQGMLTKLLEDQRVHFPTTEGDFHQAIHTLMLQVSAFAYQLEELMVLLEQKIPENEAD
GMPATVGDGGLFEKKLWGLKVLQELSQTWVRSIHDLRVISSHQMGISALESHYGAKDKQM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2714_e11.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013166

ORF Size: 600 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_013166.1](#), [NP_037298.1](#)

RefSeq Size: 1101 bp

RefSeq ORF: 603 bp

Locus ID: 25707

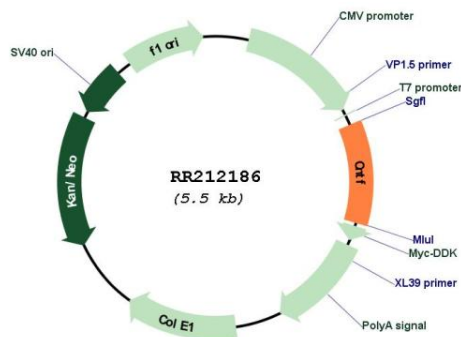
UniProt ID: [P20294](#)

Cytogenetics: 1q43

MW: 22.9 kDa

Gene Summary: a cytokine involved in neuronal degeneration and adipocyte gene expression [RGD, Feb 2006]

Product images:



Circular map for RR212186