

Product datasheet for **RC236187**

RNF86 (TRIM2) (NM_001302693) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RNF86 (TRIM2) (NM_001302693) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RNF86
Synonyms: CMT2R; RNF86
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC236187 representing NM_001302693
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGCACAGGAGTGGCCGTTATGGAACGCAGCAGCGTGCAGGGTCAAAGACAGCCGGCCCCCATGTCACT
GGTCTAGGATGGCCAGTGAAGGCACCAACATCCCAAGTCTGTGGTGCGCCAGATTGACAAGCAGTTTCT
GATTTGCAGTATATGCCTGGAACGGTACAAGAATCCCAAGTTCTCCCCTGTCTGCACACTTTCTGCGAG
AGGTGCCTGCAGAACTACATTCTGCCACAGTTTAACCTCTCCTGCCAGTGTGCCGCCAGACCTCCA
TCCTGCCCGAGAAAGGGGTGGCCGCGCTCCAGAACATTTCTTCATCACAAACCTGATGGACGTGCTGCA
GCGAACTCCAGGCAGCAACGCTGAGGAGTCTTCCATCCTGGAGACAGTCACTGCTGTGGCTGCGGGAAG
CCTCTCTCTTGCCCAACCACGATGGAATGTAAGTGGCTGGGATGGCAGATACTGCCCGGAGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236187 representing NM_001302693
Red=Cloning site Green=Tags(s)

MHRSGRYGTQQRAGSKTAGPPCQWSRMASEG TNIPSPVVRQIDKQFLICSLERYKNPKVLPCLHTFCE
 RCLQNYIPAHS LTLSCPVC RQTSILPEKGVAALQNNFFITNLMDVLQRTPGSNAEESIETVTAVAAGK
 PLSCP NHDGNVSGWDGRYCPGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_001302693

ORF Size: 486 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001302693.1](#), [NP_001289622.1](#)

RefSeq Size: 726 bp

RefSeq ORF: 489 bp

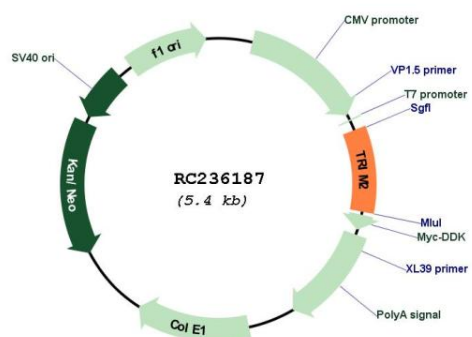
Locus ID: 23321

Cytogenetics: 4q31.3

MW: 18.2 kDa

Gene Summary: The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to cytoplasmic filaments. It plays a neuroprotective role and functions as an E3-ubiquitin ligase in proteasome-mediated degradation of target proteins. Mutations in this gene can cause early-onset axonal neuropathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]

Product images:



Circular map for RC236187