

Product datasheet for SC334081

RNF86 (TRIM2) (NM_001302693) Human Untagged Clone

Product data:

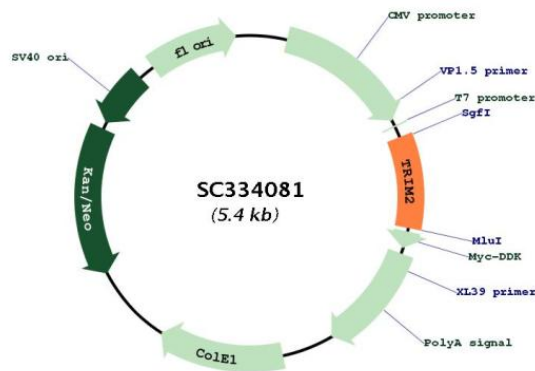
Product Type:	Expression Plasmids
Product Name:	RNF86 (TRIM2) (NM_001302693) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIM2
Synonyms:	CMT2R; RNF86
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC334081 representing NM_001302693. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCACAGGAGTGGCCGTTATGGAACGCAGCAGCGTGCAGGGTCAAAGACAGCCGGCCCCCATGTCAG
TGGTCTAGGATGGCCAGTGAAGGCACCAACATCCCAAGTCCTGTGGTGCGCCAGATTGACAAGCAGTTT
CTGATTTGCAGTATATGCCTGGAACGGTACAAGAATCCCAAGTTCTCCCTGTCTGCACACTTTCTGC
GAGAGGTGCTGCAGAACTACATTCCTGCCACAGTTAAACCCTCCTGCCAGTGTGCCGCCAGACC
TCCATCCTGCCGAGAAAGGGTGGCCGCGCTCCAGAACAATTTCTTCATCACAACCTGATGGACGTG
CTGCAGCGAACTCCAGGCAGCAACGCTGAGGAGTCTCCATCCTGGAGACAGTCACTGCTGTGGCTGCG
GGAAAGCCTCTCTTTGCCCAAACCACGATGGGAATGTAAGTGGCTGGGATGGCAGATACTGCCCGGA
GCATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001302693

Insert Size: 489 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001302693.1](#)

RefSeq Size: 726 bp

RefSeq ORF: 489 bp

Locus ID: 23321

Cytogenetics: 4q31.3

MW: 17.7 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]
Transcript Variant: This variant (4) uses an alternate in-frame splice site and lacks several 3' exons but contains an alternate 3' terminal exon, and it thus differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (4) has a distinct C-terminus and is shorter than isoform 1.