

Product datasheet for **SC334085**

RNF86 (TRIM2) (NM_001302692) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF86 (TRIM2) (NM_001302692) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF86
Synonyms:	CMT2R; RNF86
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC334085 representing NM_001302692. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCACAGGAGTGGCCGTTATGGAACGCAGCAGCAGCGTGCAGGGTCAAAGACAGCCGGCCCCCATGT
CAGTGGTCTAGGATGGCCAGTGAAGGCACCAACATCCCAAGTCTGTGGTGCAGATTGACAAGCAG
TTTCTGATTTGCAGTATATGCCTGGAACGGTACAAGAATCCCAAGTTCTCCCCTGTCTGCACACTTTC
TGCGAGAGGTGCCTGCAGAACTACATTCCTGCCACAGTTTAAACCCTCTCCTGCCAGTGTGCCGCCAG
ACCTCCATCCTGCCGAGAAAGGGGTGGCCGCGCTCCAGAACAATTTCTCATCACAACCTGATGGAC
GTGCTGCAGCGAACTCCAGGCAGCAACGCTGAGGAGTCTCCATCCTGGAGACAGTCACTGCTGTGGCT
GCGGGAAAGCCTCTCTTGCCAAACCACGATGGGAATGTAAGTGGCTGGGATGGCAGATACTGCCCG
GGAGCATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001302692
Insert Size:	492 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).



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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:	<ol style="list-style-type: none">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:	<u>NM_001302692.1</u>
RefSeq Size:	729 bp
RefSeq ORF:	492 bp
Locus ID:	23321
Cytogenetics:	4q31.3
MW:	17.8 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) 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 (3) has a distinct C-terminus and is shorter than isoform 1.</p>