

Product datasheet for **SC325314**

RNF86 (TRIM2) (NM_001130067) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF86 (TRIM2) (NM_001130067) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF86
Synonyms:	CMT2R; RNF86
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001130067, the custom clone sequence may differ by one or more nucleotides

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ATGGCCAGTGAAGGCACCAACATCCCAAGTCTGTGGTGCGCCAGATTGACAAGCAGTTT
CTGATTTGCAGTATATGCCTGGAACGGTACAAGAATCCCAAGGTTCTCCCTGTCTGCAC
ACTTTCTGCGAGAGGTGCCTGCAGAACTACATTCTGCCACAGTTTAAACCCTCTCTGC
CCAGTGTGCCGCCAGACCTCCATCTGCCGAGAAAGGGTGGCCGCGCTCCAGAACAAT
TTCTTTCACACAACCTGATGGACGTGCTGCAGCGAACTCCAGGCAGCAACGCTGAGGAG
TCTTCCATCCTGGAGACAGTCACTGCTGTGGCTGCGGGAAAGCCTCTCTTTGCCAAAC
CAGCATGGGAATGTGATGGAATTTACTGCCAGTCTGTGAGACTGCCATGTGTCGGGAG
TGCACGGAGGGGAGCACGCAGAGCACCCACAGTTCCAAGGATGTGGTGGAAACAG
CACAAGGCTCGCTCCAGGTCCAGCTGGATGCTGTCAACAAAAGGCTCCCAGAAATAGAT
TCTGCTTTCAGTTCATCTGAAATCATTATCAGTTAACCAACAAAAGGCCAGCATC
GTGGATGACATTCATTCCACCTTGTGAGCTCCAGAAGACTTTAAATGTGCGCAAGAGT
GTGCTGCTTATGGAATTGGAGGTCAACTATGGCCTCAAACACAAAGTCTCCAGTCGCAG
CTGGATACTCTGCTCCAGGGCAGGAGCATTAAAGAGCTGCAGCAACTCACAGCGCAG
GCCCTCAACCATGGCAGCGAGACCGAGGTCCTACTGGTGAAGAAGCAGATGAGCGAGAAG
CTGAACGAGCTGGCCGACCAGGACTTCCCCTTGCACCCGCGGGAGAACGACCAGCTGGAT
TTCATCGTGGAAACCGAGGGGTGAAGAAGTCCATCCACAACCTCGGGACGATCTTAACC
ACCAACGCCGTTGCCCTCAGAGACAGTGGCCACGGGCGAGGGGCTGCGGCAGACCATCATC
GGGCAGCCCATGTCGGTCAACATCACCACCAAGGACAAAGACGGTGAAGTGTGCAAAACC
GGCAACGCCTACCTACCGCCGAAGTGAACACCCCGACGGGAGCGTGGCAGACGGGGAG
ATCCTGGACAACAAGAAGGCACCTATGAGTTTTGTACTGTCCAGAAGGAAGGGGAC
TTTACCCTGTCTCTGAGACTCTATGACCAGCACATCCGAGGCAGCCGTTTAAAGTGAAA
GTGATCCGATCCGCTGATGTGTCTCCACACAGAAAGGCGTGAAGAGGCGCGTTAAGTCC
CCGGGGAGCGCCACGTCAAGCAGAAAGCTGTGAAAAGACCCGCAAGCATGTACGCACT
GGAAAACGAAAAGAGAATCCCATCGAAGACGATTTGATCTTTCGAGTGGGTACCAAAGGA
AGAAATAAAGGAGAGTTTACAAATCTTCAGGGGTAGTGCATCTACAAATGGAAAGATA
TTAATTGCAGACAGTAACAACCAATGTGTGCAGATATTTTCCAATGATGGCCAGTTCAA
AGTCGTTTTGGCATAACGGGACGCTCTCCGGGACAGTGCAGCGGCCACAGGAGTGGCT
GTACATCCAGTGGGACATAATCATTGCCGATTATGATAATAAATGGGTGAGCATTTTC
TCCTCCGATGGGAAATTTAAGACAAAAATGGATCAGGAAAGCTGATGGGACCCAAGGA
GTTTCTGTGGACCGCAATGGGCACATTATTGTTGTGGACAACAAGGCGTGTGCGTGTTT
ATCTTCCAGCAAACGGGAAAATAGTCACCAGTTTTGGTAGCCGAGGAAATGGGGACAGG
CAGTTTGCAGGTCCCATTTTGCAGCTGTAATAGCAATAATGAGATTATTATTACAGAT
TTCCATAATCATTCTGTCAAGGTGTTAATCAGGAAGGAGAATTCATGTTGAAGTTTGGC
TCAAATGGAGAAGGAAATGGGCAGTTTAAATGCTCCAACAGGTGTAGCAGTGGATTCAAAT
GGAAACATCATTGTGGCCGACTGGGGAACAGCAGGATCCAGGTTTTTGTGGGAGTGGGA
TCATTTTTGTCTACATTAACACATCTGCTGACCCACTCTATGGCCCCAAGGCTGGCC
CTAACTTCAGATGGTCATGTTGTGGTTGCAGACTCTGGAATCACTGTTTCAAAGTCTAT
CGATACTTACAG
    
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Restriction Sites: Please inquire

ACCN: NM_001130067

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001130067.1</u> , <u>NP_001123539.1</u>
RefSeq Size:	6792 bp
RefSeq ORF:	2235 bp
Locus ID:	23321
UniProt ID:	<u>Q9C040</u>
Cytogenetics:	4q31.3
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 (2) contains an alternate 5' terminal exon and uses an alternate splice site, and it thus differs in the 5' UTR and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) is shorter at the N-terminus, compared to isoform 1.</p>