

Product datasheet for **SC112638**

RNF86 (TRIM2) (NM_015271) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF86 (TRIM2) (NM_015271) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF86
Synonyms:	CMT2R; RNF86
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_015271, the custom clone sequence may differ by one or more nucleotides

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ATGCACAGGAGTGGCCGTTATGGAACGCAGCAGCAGCGTGCAGGGTCAAAGACAGCCGCCCCCATGTC
AGTGGTCTAGGATGGCCAGTGAAGGCACCAACATCCCAAGTCTGTGGTGCAGATTGACAAGCAGTT
TCTGATTTGCAGTATATGCCTGGAACGGTACAAGAATCCCAAGTTCTCCCTGTCTGCACACTTTCTGC
GAGAGGTGCCTGCAGAACTACATTCTGCCCACAGTTTAAACCCTCTCTGCCAGTGTGCCGCCAGACCT
CCATCCTGCCGAGAAAAGGGGTGGCCGCGCTCCAGAACAATTTCTTCATCACAAACCTGATGGACGTGCT
GCAGCGAACCTCCAGGCAGCAACGCTGAGGAGTCTTCCATCCTGGAGACAGTCACTGCTGTGGCTGCGGGA
AAGCCTCTCTTGGCCAAACCAGATGGGAATGTGATGGAATTTACTGCCAGTCTGTGAGACTGCCA
TGTGTCCGGAGTGCACGGAGGGGAGCAGCAGAGCAGCCACAGTTCCACTCAAGGATGTGGTGGAAACA
GCACAAGGCTCGCTCCAGGTCCAGCTGGATGCTGTCAACAAAAGGCTCCAGAAATAGATTCTGCTCTT
CAGTTCATCTGAAATCATTTCAGTTAACCAACAAAAGGCCAGCATCGTGGATGACATTCATTCCA
CCTTTGATGAGCTCCAGAAGACTTTAAATGTGCGCAAGAGTGTGCTGCTTATGGAATGGAGGTCAACTA
TGGCCTCAAACACAAAGTCTCCAGTCCAGTGGATACTCTGCTCCAGGGGCAGGAGAGCATTAAGAGC
TGACGAACTTCACAGCCAGGCCCTCAACCATGGCAGGAGACCGAGGTCTACTGGTGAAGAAGCAGA
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CCATCACCACCAAGGACAAAGACGGTGAAGTGTGCAAAACCGGCAACGCCTACCTCACCGCCAAGTGA
CAGGAGTGGAGCGTGGCAGACGGGAGATCCTGGACAACAAGAACGGCACCTATGAGTTTTGTAC
ACTGTCCAGAAGGAAGGGGACTTTACCCTGTCTGAGACTCTATGACCAGCACATCCGAGGCAGCCCGT
TTAAGCTGAAAGTGATCCGATCCGCTGATGTGCTCCCACCACAGAAGGGGTGAAGAGGCGGTTAAGTC
CCCGGGGAGCGGCCACGTCAAGCAGAAAGCTGTGAAAAGACCCGCAAGCATGTACAGCACTGAAAAACGA
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CAGCGGCCACAGGAGTGGCTGTACATCCAGTGGGACATAATCATTGCCGATTATGATAATAAATGGG
TCAGCATTTTCTCCTCCGATGGGAAATTAAGACAAAAATGGATCAGGAAAGCTGATGGGACCCAAAGG
AGTTTCTGTGGACCGCAATGGGCACATTATTGTTGTGGACAACAAGGCGTCTGCGTGTATCTTCCAG
CCAAACGGGAAAATAGTCAACAGGTTTGGTAGCCGAGGAAATGGGGACAGGCAGTTTGCAGTCCCCATT
TTGCAGCTGTAATAAGCAATAATGAGATTATTATTACAGATTTCCATAATCATTCTGTCAAGGTGTTTAA
TCAGGAAGGAGAATTCATGTTGAAGTTTGGCTCAAATGGAGAAGGAAATGGGCAGTTAATGCTCCAACA
GGTGTAGCAGTGGATTCAAATGGAACATCATTGTGGCCGACTGGGAAACAGCAGGATCCAGGTTTTTG
ATGGGAGTGGATCATTTTTGTCTACATTAACACATCTGCTGACCCACTCTATGGCCCCAAGGCCCTGGC
CCTAACTTCAGATGGTCATGTTGTGGTTGCAGACTCTGAAATCACTGTTTCAAAGTCTATCGATACTTA
CAGTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015271 unedited
 CCGTCACATGTGTAACCTACTCATATAGGCGGCCCAATCGGCACGAGGTCTGCGGGCT
 GCGGGGAGCTAAGTCCCCAGATGGCGGAGGCTGGCTCTGGTCTTCGATGCACAGGAGTGG
 CCGTTATGGAACGCAGCAGCAGCGTGCAGGGTCAAAGACAGCCGGCCCCCATGTCAGTG
 GTCTAGGATGGCCAGTGAAGGCACCAACATCCCAAGTCTGTGGTGCGCCAGATTGACAA
 GCAGTTTCTGATTTGCAGTATATGCCTGGAACGGTACAAGAATCCCAAGTTCTCCCCTG
 TCTGCACACTTTCTGCGAGAGGTGCCTGCAGAACTACATTCTGCCACAGTTTAAACCT
 CTCTGCCAGTGTGCCGCCAGACTCCATCCTGCCGAGAAAGGGGTGGCCGCGTCCA
 GAACAATTTCTTCATCACAAACCTGATGGACGTGCTGCAGCGAACTCCAGGCAGCAACGC
 TGAGGAGTCTTCCATCCTGGAGACAGTCACTGCTGTGGTGCGGGAAAGCCTCTCTCTTG
 CCCAAACCACGATGGAAATGTGATGGAATTTACTGCCAGTCTGTGAGACTGCCATGTG
 TCGGGAGTGCACGGAGGGGAGCAGCTGAGCACCCACAGTTCCACTCAAGGATGTGGT
 GGCACAGCACAAGCCTCGCTCCAGGTCCAGCTGGATGCTGTCAACAAAAGGCTCCCAGA
 CATAGATTCTGCTTTCAGTTCATCTTTGAAATCATTTCATCAGTTTACCAACCAAGGG
 CCAGCATCGTTGGATGACATTTATCCACCTTTGATGAGCTCCAGAAGACTTTAAATGTG
 CGCAAGAGTGTGCTGTTATGGAATTGAGGTAACATATGGTCTTTAACACCAAGTCTTC
 CGTCGCAGCTGGATACTTCTGTCTN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015271 unedited
 CCGCGGGCCGATTTTAGNATCGAGTTTTTTTTTTTTTTTTTTTGAAGCCAGAAGGCCAT
 TTTCTGACTAAAAGCCACCACCGTATTCTTGAAAATGGAAAAATTAATCTGCTTTA
 GGGCTTGTCCACTAGGACGGCTTTAAACTGCTTAGTAAAGGAATGTGCTGAAGAGTGGC
 TGGACGAAGCTTCTGTCTTTCAGAGTGTGCCTATTTCAATACACCAAAGATTCAGCTAT
 ATATATGTGTGTGTATATATATATATATAAATACATTCTATCTTACCCTAATCAT
 GTATACATAGTCCCTTGACACCTCTACTATTCAATAACAATGATAAATAACCATAACAT
 GCCCTTACCTGTAATGCTTTCAAGATAACACAACCTTTGGTAACTTGTCTTTCTAAGGGG
 GAATCATTAAATCAATCACATGCCTTTGGTTGACACCATCAGTCTCCAAAGGGCTACTTA
 TGGCTCTCTGTCTAGGATACTGGTGTCTACTACATGTGCTGACATTTGCAGGAGGTAA
 AGCTTTTCGCTTTCAGGAAGTCAAGAGAAGAGACACGTGTGAAAACATGGTACATAAAAC
 ATGACTAACTTTCTTATTACATCCAGTGAATGATCTGGAGTTAACAGGGCAGTTTGT
 TTCCCAAAGGTAGCATTACTTTTGAATATGCTTTTCAAGGCATTAGAAATTTAGGTT
 TCCTGAAGAAGTACTTTGTTTGTGATACAAGGTGAGCCAAAGGGGGTGGTGAAGAAGAA
 CACCACAAAAAGATCTTTGTCTAACAGAAAGGTGAGAAATTTGACTGATACTTAGTTCT
 GACTCCAGAGGCTGCTATAGAGCTGGGATCTTTCAGACGCTACTTTTCAAGTAATTA
 TATTTAGTGTGATACAAAAAGNCCAGAGTT

Restriction Sites:

NotI-NotI

ACCN:

NM_015271

Insert Size:

4000 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_015271.2](#), [NP_056086.1](#)

RefSeq Size: 6757 bp

RefSeq ORF: 2235 bp

Locus ID: 23321

UniProt ID: [Q9C040](#)

Cytogenetics: 4q31.3

Domains: zf-B_box, NHL, Filamin, RING, BBC

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 (1) encodes the longest isoform (1).