

Product datasheet for **SC120391**

RNF89 (TRIM6) (NM_058166) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF89 (TRIM6) (NM_058166) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF89
Synonyms:	RNF89
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC120391 sequence for NM_058166 edited (data generated by NextGen Sequencing)

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ATGACTTCACCACTACTGGTGGACATACGAGAAGAGGTGACCTGCCCTATCTGCCTGGAG
CTCCTAACAGAACCCCTGAGCATAGACTGTGGCCACAGCTTCTGCCAAGCCTGCATCACA
CCAAATGGCAGGGAATCAGTGATTGGTCAAGAAGGGGAAAGAAGCTGCCCTGTGTGCCAG
ACCAGCTACCAGCCAGGGAACCTGCGGCCTAATCGGCATCTGGCCAACATAGTGAGGCGG
CTCAGAGAGGTAGTGTGGGCCCTGGGAAGCAGCTGAAAGCAGTTCTTTGTGCAGACCAT
GGAGAAAACTGCAGCTCTTCTGTCAGGAGGATGGGAAGGTCATTTGCTGGCTTTGTGAG
CGGTCTCAGGAGCACCGTGGTCAACACACGTTCTCGTGGAGGAGTTGCCAGGAGTAC
CAGNAGAAGTTTTCAGGAGTCTCTAAAGAAGCTGAAGAACGAGGAGCAGGAAGCTGAGAAG
CTAACAGCTTTTATCAGAGAGAAGAAGACATCCTGGAAGAATCAGATGGAGCCTGAGAGA
TGCAGGATCCAGACAGAGTTTAATCAGCTGCGAAATATCCTAGACAGAGTGGAGCAACGG
GAGCTGAAAAAGCTGGAACAGGAAGAGAAGAAGGGGCTACGAATTATAGAAGAGGCTGAG
AATGATCTGGTCCACAGACCCAGTCGCTGCGAGAGCTCATCTCGGATCTGGAGCGTCGA
TGTCAGGGGTCAACAATGGAGCTGCTGCAGGATGTAAGTGATGTCACAGAAAGGAGTGAG
TTCTGGACCTGAGGAAGCCAGAAGCTCTCCCTACAAAGCTGAGAAGTATGTTCCGAGCC
CCAGATCTGAAAAGGATGCTGCGAGTGTGTAGAGAGCTGACAGATGTCCAAGCTACTGG
GTTGACGTGACCTGAATCCACACACAGCTAATTTAAATCTTGTCTGGCTAAAAACCGG
AGACAAGTGAGGTTTGTGGGAGCTAAAGTATCTGGACCTTCTGTCTGGAAAAGCATTAT
GACTGTAGTGTCTGGGCTCCAGCACTTCTCCTCTGGTAAGCATTACTGGGAGGTAGAT
GTGGCCAAAGAGCTGCCTGGATCCTAGGGGTATGCAGCAATTCAGTGGGACCTACATTC
TCTTTCAACCATTTTGTCAAAATCACAGTGCTTACTCCAGGTATCAGCCTCAGAGTGGA
TACTGGTGATTGGGTTACAGCATAACCATGAATATAGGGCCTATGAGGATTCTTCCCCT
TCCTGTCTTCTCCATGACAGTGCCCTCGCCGTGTTGGGGTTTTCTTAGATTATGAG
GCTGGTACTGTCTCTTTTATAATGTCAAAACCATGGCTTCCCCTATCAGCTTTCTCT
AAATATTACTTTCCCACTACTCTTTGTCCATATTTAATCCTTGCAACTGTGTAATCTCT
ATGACCTGCGTCGTCCAAGCTCTTGA
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Clone variation with respect to NM_058166.4

424 g=>n;507 a=>g;756 g=>a;1107 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_058166 unedited

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GCATTTGTAATACGACTTACTATAGGCGGCNCGGATTCCGGCACCAGGNACGCGGCTGCT
TCAAGTCTTGGCTCTGATCCAGGCCACAGATTCCAGGATTCTACAGGCAGGAAACATCT
TAGAAATCAGGGTTGGGCAGGCAGGAGCAGGAGAGTAGCTACAATGACTTCACCAAGTAC
TGGTGGACATACGAGAAGAGGTGACCTGCCCTATCTGCCTGGAGCTCCTAACAGAACCCC
TGAGCATAGACTGTGGCCACAGCTTCTGCCAAGCCTGCATCACACCAAATGGCAGGGAAT
CAGTGATTGGTCAAGAAGGGGAAAGAAGCTGCCCTGTGTGCCAGACCAGCTACCAGCCAG
GGAACCTGCGGCCTAATCGGCATCTGGCCAACATAGTGAGGCGGCTCAGAGAGGTAGTGT
TGGGCCCTGGGAAGCAGCTGAAAGCAGTTCTTTGTGACAGCCATGGAGAAAAACTGCAGC
TCTTCTGTGAGGAGGATGGGAAGGTCATTTGCTGGCTTTGTGAGCGGTCTCAGGAGCACC
GTGGTCAACACACGTTCTCTGTGGAGGAGGTTGCCAGGAGTACCAGAAGTTTCAGGAGT
CTCTAAAGAAGCTGAAGAACGAGGAGCANGAAGCTGAGAAGCTAACAGCTTTTATCAGAG
AGAAGAAGACATCCTGGAAGAATCAGATGGAGCCTGAGAGATGCANGATCCAGACAGAGT
TTAATCAGCTGCNGAATATCCTAGACAGAGTGGAGCAACGGGAGCTGAAAAAGCTGGNAC
AGGNAGAGAAGAAGGGGCTACGAATTATAGAAGAAGCTGAGAATGATCTGGGTCAACAGA
CCAGTCGCTGCGAGAGCTCATCTCGGATCTGGAGCGTCGATGTCAGGGGTCAAACATGGA
NCTGCTGAGGATGTTAATGATGTCCAAAAAGGAGTGAGTTCTGGCACCTGAGGAACCA
GNAGCTCTCTACNAAC
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_058166 unedited TACATTATGNACGCGGCCGAATCTATGATCGGTTTTTTTTTTTTTTTACAAAAACA AAGTAATTTATTTGCTTATTATTGCATTTTATAGAACCTGGCAAAGATATTACAAGAATG TAAAAATACAGGCCAATTTCTTTCATTAAACATAGATGAGAACAAATCTAAACAATACGT TATCAAAATAAATCCAGTATTGCATACAACAAATAATAATGGTGTATTTTCAGCAAGTTGT GGTAACAAATTGAAGTAAATCAATGTACTAAGCCACATTAACAGAACAAAAATGATACAC AATTGTCTCAATAATTTACAGAAAAGACATAGGTAGAATACGAGTTTTTCATTTTATACAA AAACTTGTAGTAAATTAACAGATCAGAACTTCCTAAATTTGATCCCCTGCATCAATCAAA AAAAACCTGCATCAAAATACTATGCTTAATGGCAAATACTGAAAGCGCCCTATCCACC TCAAGACCTGTCATCAGTCAAAGATGCTTACTCTCACCCTGGGTGCATCCTAGTACTGA GTAAGTGTAAAACGAAAGAACTGTCTGGGCGCGGCGGCTCACATCTGTAATCCAGCA CTTTGGGAGNACCGAGCGGTGGATCACTTGGGTCAGGAGTTCGAGATCAGCCTGGCCA ACACGGTGAAACCCTATCTCTATAAAAAACAAAAAATTAGTTGGGCATGGTAGGTGGGT GCCTGTNATCCCAGCTACTTGGGATGCTGANGGCAGNAGTTTCGCTGAACCCCCAGAGCA NAGGTTGCATTGAGCCCGAGATGCGCCAGTGCCTNCAGCCCTGGGCGACAGAGCGAGAT TCCTCTAAAAAAGATTCAAACCAAAACCAACCAAGATTTGGGAACCCGAAA
Restriction Sites:	NotI-NotI
ACCN:	NM_058166
Insert Size:	2650 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:	<u>NM_058166.3</u> , <u>NP_477514.1</u>
RefSeq Size:	3215 bp
RefSeq ORF:	1467 bp
Locus ID:	117854
UniProt ID:	<u>Q9C030</u>
Cytogenetics:	11p15.4
Domains:	zf-B_box, RING, SPRY, PRY
Protein Families:	Druggable Genome

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, B-box type 1 and B-box type 2 domain, and a coiled-coil region. The protein localizes to the nucleus, but its specific function has not been identified. This gene is mapped to chromosome 11p15, where it resides within a TRIM gene cluster. Alternative splicing results in multiple transcript variants. A read-through transcript from this gene into the downstream TRIM34 gene has also been observed, which results in a fusion product from these neighboring family members. [provided by RefSeq, Oct 2010]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream AUG start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1.