

Product datasheet for **RG216413**

RNF89 (TRIM6) (NM_058166) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF89 (TRIM6) (NM_058166) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNF89
Synonyms:	RNF89
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG216413 representing NM_058166
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTTCACCAGTACTGGTGGACATACGAGAAGAGGTGACCTGCCCTATCTGCCTGGAGCTCCTAACAG
 AACCCCTGAGCATAGACTGTGGCCACAGCTTCTGCCAAGCCTGCATCACACCAAATGGCAGGGAATCAGT
 GATTGGTCAAGAAGGGGAAAGAAGCTGCCTGTGTGCCAGACCAGCTACCAGCCAGGGAACCTGCGGCCT
 AATCGGCATCTGGCCAACATAGTGAGGCGGCTCAGAGAGGTAGTGTGGGCCCTGGGAAGCAGCTGAAAG
 CAGTTCTTTGTGCAGACCATGGAGAAAACTGCAGCTCTTCTGTCAGGAGGATGGGAAGGTCATTGCTG
 GCTTTGTAGCGGTCTCAGGAGCACCGTGGTACCACACGTTCTCGTGGAGGAGTTGCCAGGAGTAC
 CAGGAGAAGTTTCAGGAGTCTCTAAAGAAGCTGAAGAACGAGGAGCAGGAAGCTGAGAAGCTAACAGCTT
 TTATCAGAGAGAAGAAGACATCCTGGAAGAATCAGATGGAGCCTGAGAGATGCAGGATCCAGACAGAGTT
 TAATCAGCTGCGAAATATCCTAGACAGAGTGGAGCAACGGGAGCTGAAAAAGCTGGAACAGGAAGAGAAG
 AAGGGGCTACGAATTATAGAAGAGGCTGAGAATGATCTGGTCCACCAGACCCAGTCGCTGCGAGAGCTCA
 TCTCGGATCTGGAGCGTCGATGTGAGGGTCAACAATGGAGCTGCTGCAGGATGTGAGTGATGTCACAGA
 AAGGAGTGAGTTCTGGACCCTGAGGAAGCCAGAAGCTCTCCCTACAAAGCTGAGAAGTATGTTCCGAGCC
 CCAGATCTGAAAAGGATGCTGCGAGTGTGTAGAGAGCTGACAGATGTCCAAAGCTACTGGGTTGACGTGA
 CCCTGAATCCACACACAGCTAATTTAAATCTTGTCTGGCTAAAAACCGGAGACAAGTGAGGTTTGTGGG
 AGCTAAAGTATCTGGACCTTCTGTCTGGAAAAGCATTATGACTGTAGTGTCTGGGCTCCCAGCACTTC
 TCCTCTGGTAAGCATTACTGGGAGGTAGATGTGGCCAAGAAGACTGCCTGGATCCTGGGGGTATGCAGCA
 ATTCAGTGGGACCTACATTCTCTTTCAACATTTTGTCTCAAAATCACAGTGCTTACTCCAGGTATCAGCC
 TCAGAGTGGATAGTGGGTGATTGGGTTACAGCATAACCATGAATATAGGGCCTATGAGGATTCTTCCCCT
 TCCTGCTTCTCTCCATGACAGTGCCCCCTCGCCGTGTTGGGTTTTCTTAGATTATGAGGCTGGTACTG
 TCTCCTTTTATAATGTCACAAACCATGGCTTCCCCTATACACTTTCTCTAAATATTACTTTCCCACTAC
 TCTTTGCCATATTTAATCCTTGCAACTGTGTAATTCCTATGACCCCTGCGTCGTCGAAGCTCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG216413 representing NM_058166
 Red=Cloning site Green=Tags(s)

MTSPVLVDIREEVTCPICLELLTEPLSIDCGHSFCQACITPNGRESVIGQEGERSCPVCQTSYQPGNLRP
 NRHLANIVRRLREVVLGPQKQLKAVLCADHGEKLQLFCQEDGKVICWLERSQEHRRGHHTFLVEEVAQEY
 QEKFQESLKKLKNEEQEAELTAFIREKKT SWKNQMEPERCRIQTETFNQLRNILDRVEQRELKKLEQEEK
 KGLRIIEEAENDLVHQTQSLRELISDLERRCQGSTMELLQDVSDVTERSEFWTLRKPEALPTKLRSMFRA
 PDLKRLRVCRELTDVQSYWVDVTLNPHTANLNLVLAKNRRQVRFGAKVSGPSCLEKHVDCSVLGSQHF
 SSGKHYWEVDVAKKTAWILGVCSNSLGPTFSFNHFAQNHSAYSRYQPQSGYWVIGLQHNHEYRAYEDSSP
 SLLLSMTVPVRRVGVFLDYEAGTVSFYNVTNHGFPIYTF SKYYFPTTLCPYFNPCNCVIPMTLRPPSS

TRTRPLE – GFP Tag – V

Restriction Sites:

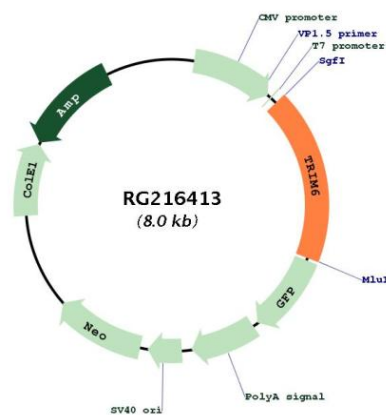
Sgfl-MluI

Cloning Scheme:


ACCN:	NM_058166
ORF Size:	1464 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_058166.3 , NP_477514.1
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]

Product images:



Circular map for RG216413