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Product datasheet for RC216413

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:	Myc-DDK
Symbol:	RNF89
Synonyms:	RNF89
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC216413 representing NM_058166
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACTTCACCAGTACTGGTGGACATACGAGAAGAGGTGACCTGCCCTATCTGCCTGGAGCTCCTAACAG
AACCCCTGAGCATAGACTGTGGCCACAGCTTCTGCCAAGCCTGCATCACACCAAATGGCAGGGAATCAGT
GATTGGTCAAGAAGGGGAAAGAAGCTGCCCTGTGTGCCAGACCAGCTACCAGCCAGGGAACCTGCGGCCT
AATCGGCATCTGGCCAACATAGTGAGGCGGCTCAGAGAGGTAGTGTTGGGCCCTGGGAAGCAGCTGAAAG
CAGTTCTTTGTGCAGACCATGGAGAAAAACTGCAGCTCTTCTGTCAGGAGGATGGGAAGGTCATTTGCTG
GCTTTGTGAGCGGTCTCAGGAGCACCGTGGTCACCACACGTTCCTCGTGGAGGAGGTTGCCCAGGAGTAC
CAGAAGTTTCAGGAGTCTCTAAAGAAGCTGAAGAACGAGGAGCAGGAAGCTGAGAAGCTAACAGCTTTTA
TCAGAGAGAAGAAGACATCCTGGAAGAATCAGATGGAGCCTGAGAGATGCAGGATCCAGACAGAGTTTAA
TCAGCTGCGAAATATCCTAGACAGAGTGGAGCAACGGGAGCTGAAAAAGCTGGAACAGGAAGAGAAGAAG
GGGCTACGAATTATAGAAGAGGCTGAGAATGATCTGGTCCACCAGACCCAGTCGCTGCGAGAGCTCATCT
CGGATCTGGAGCGTCGATGTCAGGGGTCAACAATGGAGCTGCTGCAGGATGTAAGTGATGTCACAGAAAG
GAGTGAGTTCTGGACCCTGAGGAAGCCAGAAGCTCTCCCTACAAAGCTGAGAAGTATGTTCCGAGCCCCA
GATCTGAAAAGGATGCTGCGAGTGTGTAGAGAGCTGACAGATGTCCAAAGCTACTGGGTTGACGTGACCC
TGAATCCACACACAGCTAATTTAAATCTTGTCCTGGCTAAAAACCGGAGACAAGTGAGGTTTGTGGGAGC
TAAAGTATCTGGACCTTCCTGTCTGGAAAAGCATTATGACTGTAGTGTCCTGGGCTCCCAGCACTTCTCC
TCTGGTAAGCATTACTGGGAGGTAGATGTGGCCAAGAAGACTGCCTGGATCCTAGGGGTATGCAGCAATT
CACTGGGACCTACATTCTCTTTCAACCATTTTGCTCAAAATCACAGTGCTTACTCCAGGTATCAGCCTCA
GAGTGGATACTGGGTGATTGGGTTACAGCATAACCATGAATATAGGGCCTATGAGGATTCTTCCCCTTCC
CTGCTTCTCTCCATGACAGTGCCCCCTCGCCGTGTTGGGGTTTTCTTAGATTATGAGGCTGGTACTGTCT
CCTTTTATAATGTCACAAACCATGGCTTCCCCATCTACACTTTCTCTAAATATTACTTTCCCACTACTCT
TTGTCCATATTTTAATCCTTGCAACTGTGTAATTCCTATGACCCTGCGTCGTCCAAGCTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC216413 representing NM_058166
Red=Cloning site Green=Tags(s)

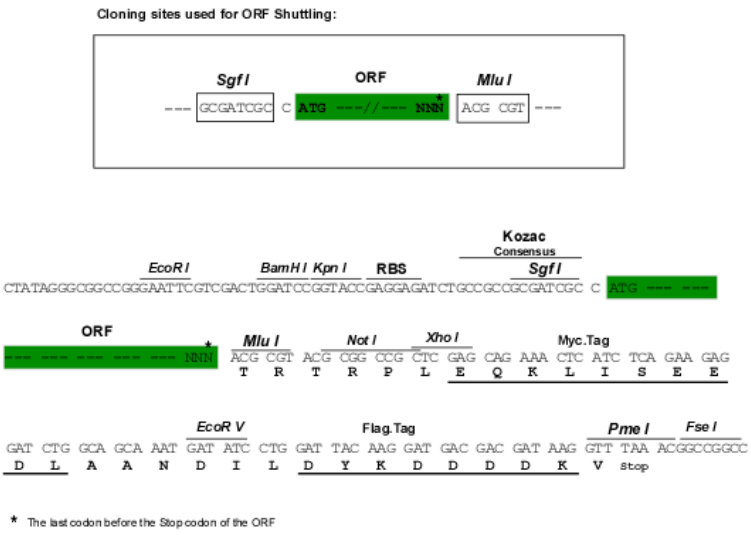
MTSPVLVDIREEVTCPICLELLTEPLSIDCGHSFCQACITPNGRESVIGQEGERSCPVCQTSYQPGNLRP
NRHLANIVRRLREVVLGPGKQLKAVLCADHGEKLQLFCQEDGKVICWLCERSQEHRGHHTFLVEEVAQEY
QKFQESLKKLKNEEQEAEKLTAFIREKKTSWKNQMEPERCRIQTEFNQLRNILDRVEQRELKKLEQEEKK
GLRIIEEAENDLVHQTQSLRELISDLERRCQGSTMELLQDVSDVTERSEFWTLRKPEALPTKLRSMFRAP
DLKRMLRVCRELTDVQSYWVDVTLNPHTANLNLVLAKNRRQVRFVGAKVSGPSCLEKHYDCSVLGSQHFS
SGKHYWEVDVAKKTAWILGVCSNSLGPTFSFNHFAQNHSAYSRYQPQSGYWVIGLQHNHEYRAYEDSSPS
LLLSMTVPPRRVGVFLDYEAGTVSFYNVTNHGFPIYTFSKYYFPTTLCPYFNPCNCVIPMTLRRPSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6111_b07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_058166

ORF Size: 1461 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_058166.5

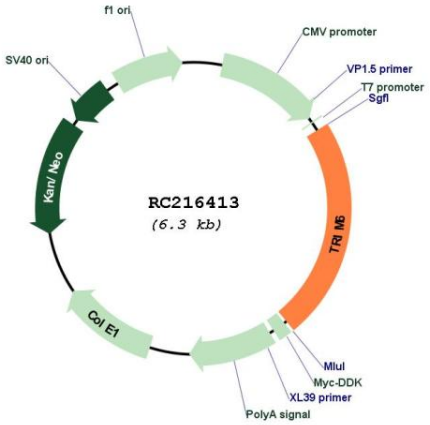
RefSeq Size: 3215 bp

RefSeq ORF: 1467 bp

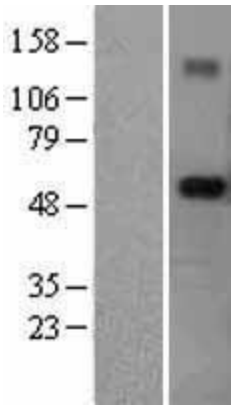
Locus ID: 117854

UniProt ID:	Q9C030
Cytogenetics:	11p15.4
Domains:	zf-B_box, RING, SPRY, PRY
Protein Families:	Druggable Genome
MW:	56.2 kDa
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]

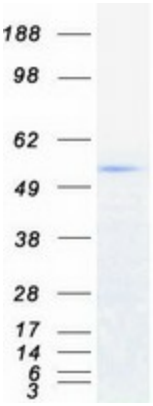
Product images:



Circular map for RC216413



Western blot validation of overexpression lysate (Cat# [LY403302]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216413 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TRIM6 protein (Cat# [TP316413]). The protein was produced from HEK293T cells transfected with TRIM6 cDNA clone (Cat# RC216413) using MegaTran 2.0 (Cat# [TT210002]).