

Product datasheet for **RC221925**

RNF87 (TRIM4) (NM_033091) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF87 (TRIM4) (NM_033091) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF87
Synonyms:	RNF87
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC221925 representing NM_033091
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAAGCTGAGGACATCCAGGAGGAGTTGACCTGCCCATCTGCCTGGACTATTTCCAGGACCCGGTGT
 CCATCGAGTGCAGCCACAACCTTCTGCCGCGCTGCCTGCACCGCAACTGGGCGCCGGGCGGCCCGTT
 CCCCTGCCCGAATGTCGGCACCCATCGCGCCCGCCGCGCTGCGACCAACTGGGCCCTGGCCAGGCTG
 ACTGAGAAGACGCAGCGCCGCGCTGGGCCCGTCCCCCGGGCCTGTGCGGCCCCACTGGGAGCCGC
 TCGGGCTCTTCTGCGAGGACGACCAGCGCCAGTGTGCTGGTGTGCAGGGAGTCCAGGAGCACCAGAC
 TCACGCCATGGCACCCATCGACGAGGCCTTCGAGAGCTACCGGGAGAACTTCTTAAGTCTCAGCGTAAT
 CTCGTGGCCAAGATGAAGAAAGTCATGCATTTACAGGATGTAGAAGTGAAGAACGCCACACAGTGAAGG
 ATAAGATAAAGAGTCAGCGAATGAGAATCAGCACGGAGTTTTCAAAGCTGCACAACCTCCTGGTTGAAGA
 AGAGGACCTGTTTCTTCAGAGATTGAACAAAGAAGAAGAAGAGACGAAGAAGAAGCTGAATGAGAACACG
 TAAAACTCAATCAAATATCGCTTCATTGAAGAAGCTCATCTTAGAGGTGGGGGAGAAGAGCCAGGCTC
 CCACCCTGGAGCTGCTTCAGAATCCAAAAGAAGTGTGACCAGGAGTGAGATCCAGGATGTGAACTATTC
 CCTTGAAGCTGTGAAGGTGAAGACAGTGTGCCAGATACCATTTGATGAAGGAAATGCTAAAGCGATTCCAA
 GTGGCTGTAAACCTAGCTGAAGACACAGCTCATCCCAAACCTCGTCTTCTCCAGGAAGGGAGATACGTGA
 AAAATACAGCATCAGCCAGTCTTGGCCAGTGTCTTCTCAGCATGGAACACTTTGCTGGATGGAGGAA
 TCCTCAGAAGACTGCTTTTGTAGAGAGATTTCAGCACTACCCCTGTGTTCTGGGAAAAACGTTTTACC
 TCAGGGAACATTACTGGAAGTTGAGAGTAGAGATAGTCTGGAGTTGCTGTTGGGTGTGTCGGGAGG
 ACGTCATGGGAATTACTGATCGTTCAAAAATGTCCCAGATGTGGGCATCTGGGCATTTATTGGAGTGC
 TGCTGGCTATTGGCCCTTGATAGGCTTCCCTGGAACCCACCCAGCAAGAGCCAGCTCTCCACCGAGTG
 GGGTTTTACCTGGATCGTGGACTGGGAATGTCTCCTTCTACAGCGCTGTGGACGGAGTGACCTGCACA
 CCTTTTCTGTTCTTCTGTCTCACGCCTCCGGCCATTTTTTTGGTTGAGTCCATTAGCATCTTTAGTCAT
 TCCACCAGTGACTGATAGGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC221925 representing NM_033091
 Red=Cloning site Green=Tags(s)

MEAEDIQEELTCPICLDYFQDPVSIIEGHNFCRGCLHRNWAPGGGPFPCPECRHPSAPAALRPNWALARL
 TEKTQRRRLGPVPPGLCGRHWEPLRLFCEDDQRPVCLVCRESQEHQTHAMAPIDEAFESYREKLLKSQRN
 LVAKMKVMHLQDVEVKNATQWKDKIKSQMRISTEFKLNHFLVEEEDLFLQRLNKEEETKKNLNT
 LKLNQTIASLKKLILEVGEKSQAPTLELLQNPKEVLRSEIQDVNYSLEAVKVKTVQCQIPLMKEMLKRFQ
 VAVNLAEDTAHPKLVFSQEGRYVKNTASASSWPVFSAWNYFAGWRNPQKTAFFVERFQHLPCVLGKNVFT
 SGKHYWEVESRDSLEVAVGVCREDVMGITDRSKMSPDVGIIWAIYWSAAGYWPLIGFPGTPTQEPALHRV
 GYVLDRTGNVSFYSAVDGVHLHTFSCSSVSRLRPFVWLSPLASLVIPPVTRDK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6499_c02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_033091

ORF Size: 1422 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.

RefSeq: [NM_033091.1](#), [NP_149082.1](#)
RefSeq Size: 3323 bp

RefSeq ORF: 1425 bp

Locus ID: 89122

UniProt ID: [Q9C037](#)
Cytogenetics: 7q22.1

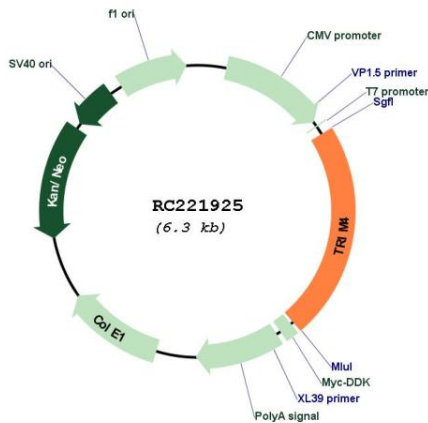
Domains: zf-B_box, RING, SPRY

Protein Families: Druggable Genome

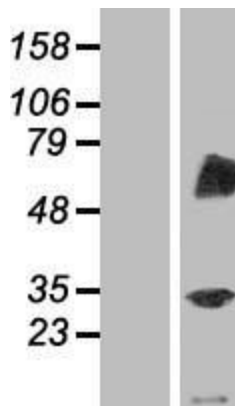
MW: 54 kDa

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, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to cytoplasmic bodies. Its function has not been identified. Alternatively spliced transcript variants that encode different isoforms have been described.[provided by RefSeq, Jul 2010]

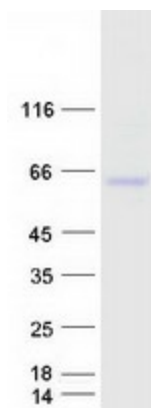
Product images:



Circular map for RC221925



Western blot validation of overexpression lysate (Cat# [LY409741]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221925 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TRIM4 protein (Cat# [TP321925]). The protein was produced from HEK293T cells transfected with TRIM4 cDNA clone (Cat# RC221925) using MegaTran 2.0 (Cat# [TT210002]).