

Product datasheet for **RG221925**

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:	TurboGFP
Symbol:	RNF87
Synonyms:	RNF87
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG221925 representing NM_033091
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGCTGAGGACATCCAGGAGGAGTTGACCTGCCCCATCTGCCTGGACTATTTCCAGGACCCGGTGT
 CCATCGAGTGCGGCCACAACCTTCTGCCGCGGCTGCCTGCACCGCAACTGGGCGCCGGGCGGCCCGTT
 CCCCTGCCCCGAATGTCGGCACCCATCGCGCCCGCGCGCTGCGACCAACTGGGCCCTGGCCAGGCTG
 ACTGAGAAGACGCGAGCGCGCGGCTGGGCCCGTGGCCCGGGCCTGTGCGGCCGCCACTGGGAGCCGC
 TGGCGCTCTTCTGCGAGGACGACCGGCCAGTGTGCTGGTGTGCAGGGAGTCCAGGAGCACCAGAC
 TCACGCCATGGCACCCATCGACGAGGCTTCGAGAGCTACCGGGAGAACTTCTTAAGTCTCAGCGTAAT
 CTCGTGGCCAAGATGAAGAAAGTCATGCATTTACAGGATGTAGAAGTGAAGAAGCCACACAGTGAAGG
 ATAAGATAAAGAGTCAGCGAATGAGAATCAGCACGGAGTTTTCAAAGCTGCACAACTTCTGTTGAAGA
 AGAGGACCTGTTTCTTCAGAGATTGAACAAAGAAGAAGAAGAGACGAAGAAGAAGCTGAATGAGAACACG
 TTAAGAACTCAATCAAACTATCGCTTCATTGAAGAAGCTCATCTTAGAGGTGGGGGAGAAGAGCCAGGCTC
 CCACCCTGGAGCTGCTTCAGAATCCAAAAGAAGTGTGACCAGGAGTGAGATCCAGGATGTGAACATTC
 CCTTGAAGCTGTGAAGGTGAAGACAGTGTGCCAGATACCATTTGATGAAGGAAATGCTAAAGCGATTCCAA
 GTGGCTGTAAACCTAGCTGAAGACACAGCTCATCCCAACTCGTCTTCTCCAGGAAGGGAGATACGTGA
 AAAATACAGCATCAGCCAGTCTTGGCCAGTGTCTTCTCAGCATGGAACACTTTGCTGGATGGAGGAA
 TCCTCAGAAGACTGCTTTTGTAGAGAGATTTCAGCACTTACCCTGTGTTCTGGGAAAAACGTTTACC
 TCAGGGAACATTACTGGGAAGTTGAGAGTAGAGATAGTCTGGAGTTGCTGTTGGGTGTGTCGGGAGG
 ACGTCATGGGAATTACTGATCGTTCAAAATGTCCCAGATGTGGGCATCTGGCGGATTTATTGGAGTGC
 TGCTGGCTATTGGCCCTTGATAGGCTTCCCTGGAACCTCCACCCAGCAAGAGCCAGCTCTCCACCGAGTG
 GGGGTTTACCTGGATCGTGGGACTGGGAATGTCTCCTTCTACAGCGCTGTGGACGGAGTGACCTGCACA
 CCTTTTCTGTTCTTCTGCTCACGCCTCCGCCATTTTTTGGTTGAGTCCATTAGCATCTTTAGTCAT
 TCCACCACTGACTGATAGGAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG221925 representing NM_033091
 Red=Cloning site Green=Tags(s)

MEAEDIQEELTCPICLDYFQDPVSIIEGHNFCRGLHRNWAPGGGPFPCPECRHPSAPAALRPNWALARL
 TEKTQRRRLGPVPPGLCGRHWEPLRLFCEDDQRPVCLVCRESQEHQTHAMAPIDEAFESYREKLLKSQRN
 LVAKMKVMHLQDVEKNATQWKDKIKSQMRISTEFSLHNFLVEEDLFLQRLNKEEETKKNLNT
 LKLNQTIASLKKLILEVGEKSQAPTELLQNPKEVLTRSEIQDVNYSLEAVKVKTVQCQIPLMKEMLKRFQ
 VAVNLAEDTAHPKLVFSQEGRYVKNTASASSWPVFSSAWNYFAGWRNPQKTAFFVERFQHLPCVLGKNVFT
 SGKHYWEVESRDSLEVAVGVCREDMGITDRSKMSPDVGIIWAIYWSAAGYWPLIGFPGTPTQEPALHRV
 GYVLDRTGNVSFYSVAVDGVHLHTFSCSSVSRLRPFFWLSPLASLVIPPVTDK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

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

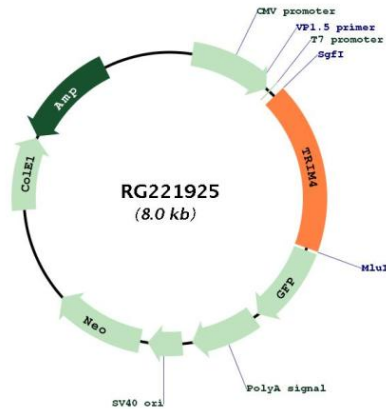
RefSeq Size: 3323 bp

RefSeq ORF: 1425 bp

Locus ID: 89122

UniProt ID:	<u>Q9C037</u>
Cytogenetics:	7q22.1
Domains:	zf-B_box, RING, SPRY
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, 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 RG221925