

Product datasheet for **RG224699**

RNF90 (TRIM7) (NM_033342) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF90 (TRIM7) (NM_033342) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNF90
Synonyms:	GNIP; RNF90
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224699 representing NM_033342 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCTGTGGGACCGCGACCGGCCCGGAACCGCGCCGAGGCTCTAGCGCTGGCGGCAGAGCTGC
AGGGCGAGGGCAGCTGCTCCATCTGCCTAGAGCTCTTTCGTGAGCCGGTGTCCGTCGAGTGCGCCACAG
CTTCTGCCGCGCTGCATAGGGCGCTGCTGGGAGCGCCCGGGCGCGGGTCTGTTGGGGCCGCCACCCGC
GCGCCCCCTTCCACTGCCCTGTCCGAGTCCCGGAGCCCGCGCCCGCCAGTCAGCTGCGGCCAACCC
GGCAGCTGGCGGCAGTGGCCACGCTCCTGCGGGCTTCAGCCTGCCCGCGGCTGCCCGGGAGAGCACGG
GTCTCAGCGGCCCGCGCCCGGGCAGCGGCTGCCCGTGCAGGCGAGCATGGCGAACCCCTCAAGCTCTAC
TGCCAGGACGACGGACCGCCATCTGCGTGGTGTGCGACCGCGCCCGCGAGCACCGCGAGCACCGCTGC
TGCCGCTGGACGAGGCGGTGCAGGAGGCCAAGGAGCTCTTGGAGTCCAGGCTGAGGGTCTTGAAGAAGGA
ACTGGAGGACTGTGAGGTGTTCCGGTCCACGAAAAGAAGGAGAGCAAGGAGCTGCTGGTGGAGCCAGGCA
CCCGCAGGCCCGCTGGGACATTACAGAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG224699 representing NM_033342
 Red=Cloning site Green=Tags(s)

MAAVGPRTPGTGAEALALAAELQGEATCSICLLELFREPVSVECGHSFCRACIGRCWERPGAGSVGAATR
 APPFPLPCPQCREPARPSQLRPNRQLAAVATLLRRFSLPAAAPGEHGSQAAAAAARCGQHGEPFKLY
 CQDDGRAICVVCDRAREHREHAVLPLDEAVQEAKELLESRLRVLKKELEDCEVFRSTEKESKELLVSQA
 PAGPPWDITEA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033342

ORF Size: 663 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_033342.4](#)

RefSeq Size: 1114 bp

RefSeq ORF: 666 bp

Locus ID: 81786

UniProt ID: [Q9C029](#)

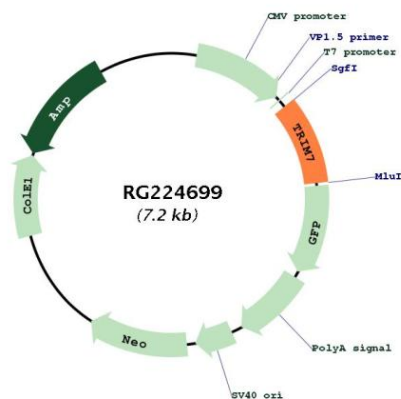
Cytogenetics: 5q35.3

Domains: zf-B_box, RING

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, a B-box type 2, and a coiled-coil region. The protein localizes to both the nucleus and the cytoplasm, and may represent a participant in the initiation of glycogen synthesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RG224699