

Product datasheet for **RG224754**

RNF90 (TRIM7) (NM_203293) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF90 (TRIM7) (NM_203293) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG224754 representing NM_203293
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGTGTGGGACCGCGACCGGCCCGGAACCGCGCCGAGGCTCTAGCGCTGGCGGCAGAGCTGC
 AGGGCGAGGCGAGTGTCCATCTGCCTAGAGCTTTTCGTGAGCCGGTGTCCGTGAGTGGGCCACAG
 CTTCTGCCGCGCTGCATAGGGCGCTGCTGGGAGCGCCGGGCGCGGGGTCTGTTGGGGCCGACCCGC
 GCGCCCCCTTCCACTGCCCTGTCCGAGTCCCGGAGCCCGCGCCCAAGTCAAGTGCAGCTGCGGCCAAC
 GGCAGCTGGCGGAGTGGCCAGCTCCTGCGGCGCTTACGCTGCCGCGGCTGCCCGGGAGAGCACGG
 GTCTCAGGCGGCCGCGGCCGGGACGGCTGCCCGTGCGGGACAGTGGCGAACCTTCAAGCTCTAC
 TGCCAGGACGACGACGCCATCTGCGTGGTGTGCGACCGCCCGGAGCACCAGGAGCACGCCGTGC
 TGCCGCTGGACGAGGCGGTGCAGGAGGCCAAGGAGCTCTGGAGTCCAGGCTGAGGGTCTTGAAGAAGGA
 ACTGGAGGACTGTGAGGTGTTCCGTCACGAAAAGAAGGAGAGCAAGGAGCTGCTGAAACAGATGGCA
 CGGGAGCAGGAGAAGGTGGGGCAGAGTCCAGGCACTGAGGGCTTTCCTGGTGGAGCAGGAGGGTCCGGC
 TGCTAGGCCCGCTGGAGGAAGTGTCCCGGAGGTGGCACAGAAGCAGAATGAGAACCTGGCCAGCTCGG
 GTTGAGATCACCCAGCTGTCCAAGCTCAGCAGCCAGATCCAGGAGACAGCTCAAAGCCTGACCTTGAC
 TTTCTCCAGGAATTCAAAAGCAGCTGAGCAGGTGTAGCAATGTGCCTGGCCCCAAGCCAACCACAGTCT
 CTTCTGAGATGAAGAATAAAGTCTGGAATGTTTCTCTCAAGACCTTTGTCTTAAAGGGATGCTGAAGAA
 GTTCAAAGAGGACCTTCGGGAGAGCTGGAGAAAGAGGAGAAAGTGGAGCTCACCTTGGATCCCGACAG
 GCCAACCCGCGCTCATCCTCTCTCTGGATCTTAAGGGCGTGCCTCGGCGAGCGGGCCAGGACCTGC
 CCAACCCCTGCCGCTTCACACCAACACCCGCTCCTGGCGTCTGCGGCTCTCCTCGGGTCTCCTCGGGC
 TCACTGGGAGGTGGAGGTGGGCTCTAAGGACGGCTGGGCCTTGGCGTGGCCCGGAGAGCGTGCGCCGA
 AAGGGCTGACGCCCTTCACTCCGAGGAGGGCTCTGGGCCCTGCAGCTCAACGCGGCCAGTACTGGG
 CCGTGACCAGCCCGAGCGGTGCGCCCTCAGCTGCGGGCACCTGTGCGCGTGGGGTGGCCCTGGACCT
 GGAGGTGGGAGCCGTGCTTCTACGCTGTGGAGGACATGCGCCACCTCTACACCTTCCGCGTCAACTTC
 CAGGAGCGGTGTTCCCGCTTTCTCTGTTGCTCCACGGGCACCTACTTGCGAATCTGGCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG224754 representing NM_203293
 Red=Cloning site Green=Tags(s)

MAAVGPRTPGTGAEALALAAELQGEATCSICLELFRPVSVECGHSFCRACIGRCWERPGAGSVGAATR
 APPFPLPCPQCREPARPSQLRPNRQLAAVATLLRRFSLPAAAPGEHGSQAAAAAARCGQHGEFPKLY
 CQDDGRAICVVCDRAREHREHAVLPLDEAVQEAKELLESRLRVLKELEDCEVFRSTEKESKELLKQMA
 AEQEKVGAEFQALRAFLVEQEGRLGRLEEL.SREVAQKQENLAQLGVEITQLSKLSSQIQETAQKPDLD
 FLQEFKSTLSRCSNVPKPTTVSSEMKNKVNVSLSLTFVLKGMMLKFKEDLRGELEKEEKVELTLDPT
 ANPRLILSLDLKGVRLGERAQDLPNHPCRFDNTRVLASCGFSSGRHHWEVEVSKDGWAFGVARESRR
 KGLTPFTPEEGVWALQLNGGQYVAVTSPEERSPLSCGHLRVRVALDLEVGAVSFYAVEDMRHLYTFRVNF
 QERVFPLFSVCSTGYLRIWP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_203293

ORF Size: 1533 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_203293.3](#)

RefSeq Size: 2862 bp

RefSeq ORF: 1536 bp

Locus ID: 81786

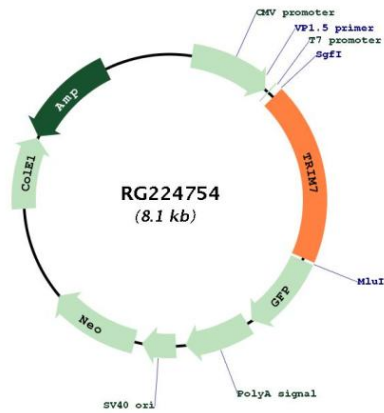
UniProt ID: [Q9C029](#)

Cytogenetics: 5q35.3

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 RG224754