

Product datasheet for **RG224860**

RNF90 (TRIM7) (NM_203297) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF90 (TRIM7) (NM_203297) 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:	>RG224860 representing NM_203297 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTCAGGCCACTGGCCAAATGTTATGTCTCCATGTTCAAGTCCCTCTCCAACCTCTCCTCCTGGGAC
 AGAAACAGATGGCAGCGGAGCAGGAGAAGGTGGGGCAGAGTTCCAGGCACTGAGGGCTTTCCTGGTGGA
 GCAGGAGGGTCGGCTGCTAGGCCGCTGGAGGAAGTGTCCCGGAGGTGGCACAGAAGCAGAATGAGAAC
 CTGGCCCAGCTCGGGTTGAGATCACCCAGCTGTCCAAGCTCAGCAGCCAGATCCAGGAGACAGCTCAAA
 AGCCTGACCTTGACTTTCTCCAGGAATTCAAAAGCACGCTGAGCAGGTGTAGCAATGTGCCTGGCCCCAA
 GCCAACCCAGTCTCTTCTGAGATGAAGAATAAAGTCTGGAATGTTTCTCTCAAGACCTTTGTCTTAAAA
 GGGATGCTGAAGAAGTTCAAAGAGGACCTTCGGGAGAGCTGGAGAAAGAGGAGAAAGTGAGCTCACCT
 TGGATCCCGACACGGCCAACCCGCGCCTCATCCTCTCTGGATCTTAAGGGCGTGCGCCTCGGCGAGCG
 GGCCCAGGACCTGCCAACCCACCCCTGCCGCTTCGACACCAACACCCGCGTCTGGCGTCTGCGCTTC
 TCCTCGGGCCGGCATCACTGGGAGGTGGAGTGGGCTCTAAGGACGGCTGGGCCTTTGGCGTGGCCCCG
 AGAGCGTGCGCCGAAAGGGCCTGACGCCCTTCACTCCGAGGAGGGCGTCTGGGCCCTGCAGCTCAACGG
 CGGCCAGTACTGGGCCGTGACCAGCCCCGAGCGGTGCCCCCTCAGCTGCGGGCACCTGTCGCGCGTGCGG
 GTGGCCCTGGACCTGGAGGTGGGAGCCGTGCTTCTACGCTGTGGAGGACATGCCACACCTCTACACCT
 TCCGCGTCAACTTCAGGAGCGCGTGTCCCGCTTTTCTGTGTTGCTCCACGGGCACCTACTTGCGAAT
 CTGGCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG224860 representing NM_203297
Red=Cloning site Green=Tags(s)

MTQATGQMLCLHVQVPLQLLLLQKQMAAEQEKVGAEFQALRAFLVEQEGRLGRLEELSREVAQKQEN
LAQLGVEITQLSKLSSQIQETAQKPDLDLQEFKSTLSRCSNVPKPTTVSSEMKNKVVNVSFKTFVLK
GMLKKFKEDLRGELEKEEKVELTDPDTANPRLILSLDLKGVRLGERAQDLPNHPCRFDTNTRVLASCGF
SSGRHHWEVEVGSKDGFVARESVRRKGLTPFTPEEGVWALQLNGGQYWAVTSPERSPLSCGHLRVR
VALDLEVGAVSFYAVEDMRHLYTFRVNFQERVFLFSVCSTGTYLRIWP

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGCGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGTCTAGTACGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGCCGCGGAGCT

- - E E R V Stop

ACCN: NM_203297

ORF Size: 987 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_203297.1](#), [NP_976042.1](#)

RefSeq Size: 3026 bp

RefSeq ORF: 990 bp

Locus ID: 81786

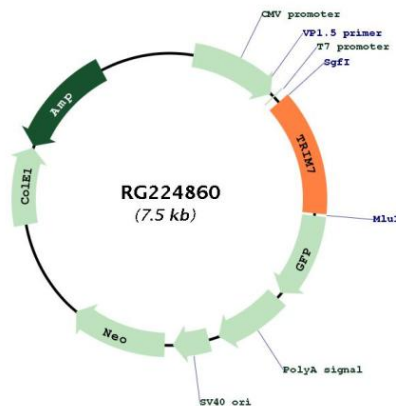
UniProt ID: [Q9C029](#)

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 RG224860