

Product datasheet for RC219933

RNF90 (TRIM7) (NM_203295) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF90 (TRIM7) (NM_203295) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF90
Synonyms:	GNIP; RNF90
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219933 representing NM_203295 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCAGCGGAGCAGGAGAAGGTGGGGCAGAGTTCAGGCACTGAGGGCTTTCCTGGTGGAGCAGGAGG
GTCGGCTGCTAGGCCGCTGGAGAACTGTCCCGGAGGTGGCACAGAAGCAGAATGAGAACCTGGCCCA
GCTCGGGTTGAGATCACCCAGCTGTCCAAGCTCAGCAGCCAGATCCAGGAGACAGCTCAAAGCCTGAC
CTTGACTTCTCCAGGAATCAAAGCACGCTGAGCAGGTGTAGCAATGTGCCTGGCCCCAAGCCAACCA
CAGTCTCTCTGAGATGAAGAATAAAGTCTGGAATGTTTCTCTCAAGACCTTTGTCTTAAAGGGATGCT
GAAGAAGTCAAAGAGGACCTTCGGGGAGAGCTGGAGAAAAGAGGAGAAAGTGGAGCTCACCTTGGATCCC
GACACGGCCAACCCGCGCCTCATCTCTCTGGATCTTAAGGGCGTGGCCCTCGGCGAGCGGGCCAGG
ACCTGCCCAACCACCCCTGCCGCTTCGACACCAACACCCGCGTCTGGCGTCTGCGGCTTCTCCTCGGG
CCGGCATCACTGGGAGGTGGAGGTGGGCTTAAGGACGGCTGGGCTTTGGCGTGGCCCGGAGAGCGTG
CGCCGAAAGGGCCTGACGCCCTTCACTCCCGAGGAGGGCGTCTGGGCCCTGCAGCTCAACGGCGGCCAGT
ACTGGGCCGTGACCAGCCCCGAGCGGTGCCCCCTCAGTGCGGGCACCTGTCGCGCGTGCGGGTGGCCCT
GGACCTGGAGGTGGGAGCCGTGCTCTTACGCTGTGGAGGACATGCCCACTCTACACCTTCCGCGTC
AACTCCAGGAGCGCGTGTCCCGCTTCTCTGTTTGTCCACGGGCACCTACTTGCGAATCTGGCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC219933 representing NM_203295
Red=Cloning site Green=Tags(s)

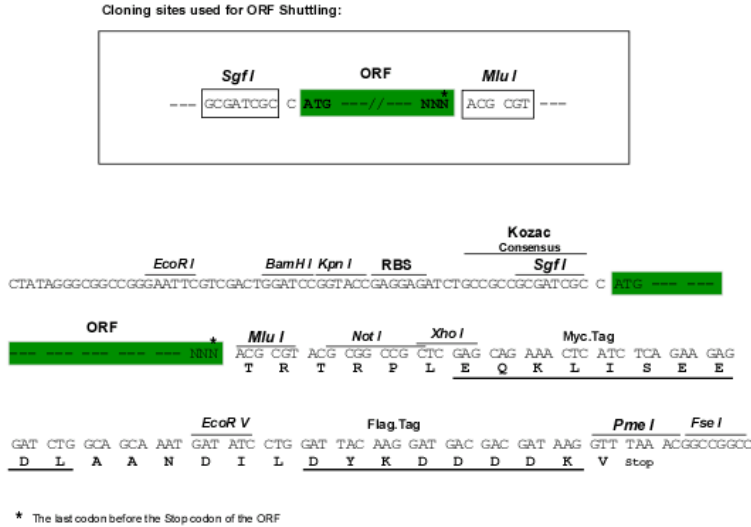
MAAEQEKVGAEFQALRAFLVEQEGRLGRLEELSREVAQKQENLAQLGVEITQLSKLSSQIQETAQKPD
 LDFLQEFKSTLSRCSNVPKPTTVSSEMKNKVNVSCLKTFVLKGLKFKEDLRGELEKEEKVELTLDP
 DTANPRLILSLDLKGVRLGERAQLPNHPCRFDNTNTRVLASCGFSSGRHHWEVEVSGKDGWAFGVARESV
 RRKGLTPFTPEEGVWALQLNGGQYWAVTSPERSPLSCGHL SRVVRVALDLEVGAVSFYAVEDMRHLYTFRV
 NFQERVFPLFSVCSTGYLRIWP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8050_g07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_203295

ORF Size: 909 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_203295.1](#), [NP_976040.1](#)

RefSeq Size: 2660 bp

RefSeq ORF: 912 bp

Locus ID: 81786

UniProt ID: [Q9C029](#)

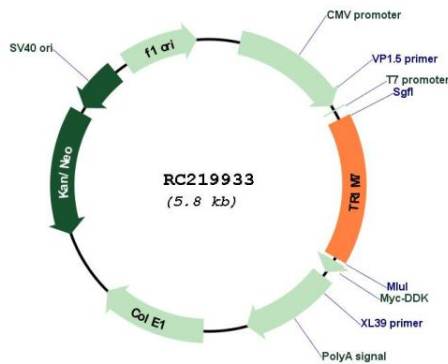
Cytogenetics: 5q35.3

Protein Families: Druggable Genome

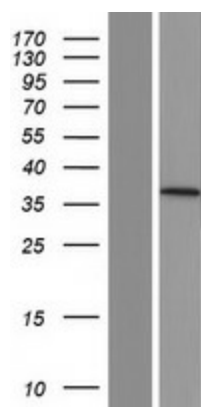
MW: 34 kDa

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, 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 RC219933



Western blot validation of overexpression lysate (Cat# [LY404379]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219933 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).