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Product datasheet for RC224860

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:	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:

>RC224860 representing NM_203297
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACTCAGGCCACTGGCCAAATGTTATGTCTCCATGTTCAAGTCCCTCTCCAACTTCTCCTCCTGGGAC
AGAAACAGATGGCAGCGGAGCAGGAGAAGGTGGGGGCAGAGTTCCAGGCACTGAGGGCTTTCCTGGTGGA
GCAGGAGGGTCGGCTGCTAGGCCGCCTGGAGGAACTGTCCCGGGAGGTGGCACAGAAGCAGAATGAGAAC
CTGGCCCAGCTCGGGGTTGAGATCACCCAGCTGTCCAAGCTCAGCAGCCAGATCCAGGAGACAGCTCAAA
AGCCTGACCTTGACTTTCTCCAGGAATTCAAAAGCACGCTGAGCAGGTGTAGCAATGTGCCTGGCCCCAA
GCCAACCACAGTCTCTTCTGAGATGAAGAATAAAGTCTGGAATGTTTCTCTCAAGACCTTTGTCTTAAAA
GGGATGCTGAAGAAGTTCAAAGAGGACCTTCGGGGAGAGCTGGAGAAAGAGGAGAAAGTGGAGCTCACCT
TGGATCCCGACACGGCCAACCCGCGCCTCATCCTCTCTCTGGATCTTAAGGGCGTGCGCCTCGGCGAGCG
GGCCCAGGACCTGCCCAACCACCCCTGCCGCTTCGACACCAACACCCGCGTCCTGGCGTCCTGCGGCTTC
TCCTCGGGCCGGCATCACTGGGAGGTGGAGGTGGGCTCTAAGGACGGCTGGGCCTTTGGCGTGGCCCGCG
AGAGCGTGCGCCGAAAGGGCCTGACGCCCTTCACTCCCGAGGAGGGCGTCTGGGCCCTGCAGCTCAACGG
CGGCCAGTACTGGGCCGTGACCAGCCCCGAGCGGTCGCCCCTCAGCTGCGGGCACCTGTCGCGCGTGCGG
GTGGCCCTGGACCTGGAGGTGGGAGCCGTGTCCTTCTACGCTGTGGAGGACATGCGCCACCTCTACACCT
TCCGCGTCAACTTCCAGGAGCGCGTGTTCCCGCTTTTCTCTGTTTGCTCCACGGGCACCTACTTGCGAAT
CTGGCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC224860 representing NM_203297
Red=Cloning site Green=Tags(s)

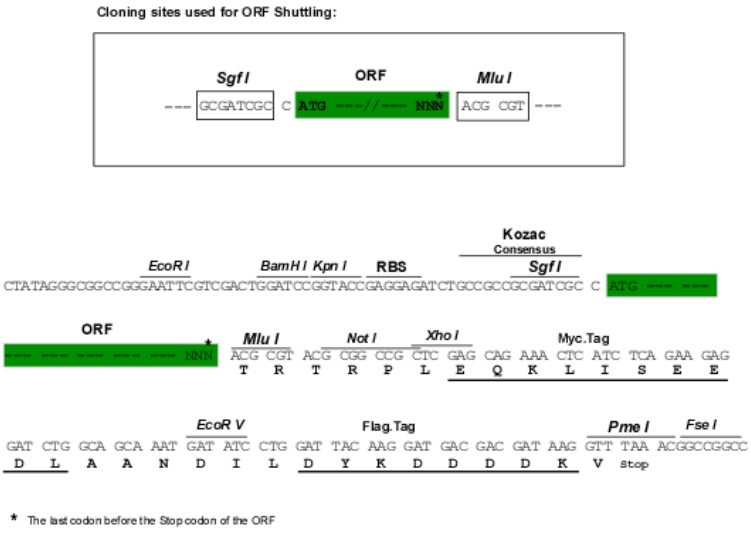
MTQATGQMLCLHVQVPLQLLLLGQKQMAAEQEKVGAEFQALRAFLVEQEGRLLGRLEELSREVAQKQNEN
LAQLGVEITQLSKLSSQIQETAQKPDLDFLQEFKSTLSRCSNVPGPKPTTVSSEMKNKVWNVSLKTFVLK
GMLKKFKEDLRGELEKEEKVELTLDPDTANPRLILSLDLKGVRLGERAQDLPNHPCRFDTNTRVLASCGF
SSGRHHWEVEVGSKDGWAFGVARESVRRKGLTPFTPEEGVWALQLNGGQYWAVTSPERSPLSCGHLSRVR
VALDLEVGAVSFYAVEDMRHLYTFRVNFQERVFPLFSVCSTGTYLRIWP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8044_e06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_203297

ORF Size: 987 bp

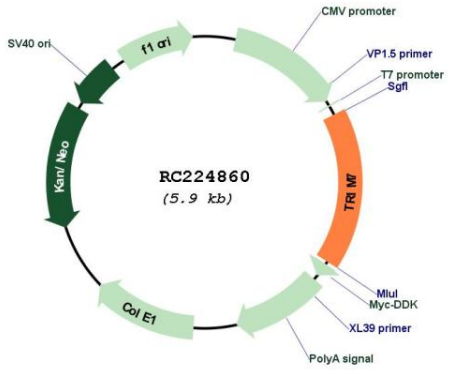
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

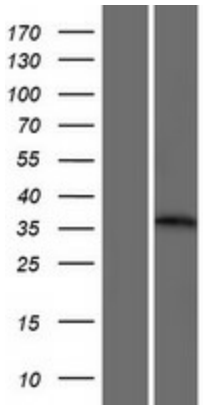
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
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
MW:	36.9 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 RC224860



Western blot validation of overexpression lysate (Cat# [LY404381]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224860 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).