

Product datasheet for **RC213350**

RNF23 (TRIM39) (NM_021253) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF23 (TRIM39) (NM_021253) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF23
Synonyms:	RNF23; TFP; TRIM39B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC213350 representing NM_021253
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGAGACAAGTCTGTTAGAGGCTGGGCGCTCTGCAGCCTCTACAGCTGCGGCTTTGGAGAACTTAC
 AGGTGGAGGCGAGCTGCTCTGTGTGCCTGGAGTATCTGAAGGAACCTGTCATCATTGAGTGTGGGCACAA
 CTTCTGCAAAGCTTGCATCACCCGCTGGTGGGAGGACCTAGAGAGGGACTTCCCTTGTCTGTCTGTCTGCGA
 AAGACATCCCGCTACCGCAGTCTCCGACCTAATCGGCAACTAGGCAGTATGGTGGAAATTGCCAAGCAGC
 TCCAGGCCGTC AAGCGGAAGATCCGGGATGAGAGCCTCTGCCCAACACCATGAGGCCCTCAGCCTTTT
 CTGTTATGAGGACCAGGAGGCTGTATGCTTGATATGTGCAATTTCCACACCCACCGGGCTCACACCGTT
 GTGCCACTGGACGATGCTACACAGGAGTACAAGGAAAACTGCAGAAGTGTCTGGAGCCCTGGAACAGA
 AGCTGCAGGAGATCACTCGCTGCAAGTCTCTGAGGAGAAGAAGCCTGGTGGAGCTCAAGAGACTAGTGGAA
 AAGTCCGCGACAGCAGATCTTGAGGGAGTTTGAAGAGCTTCATAGCGGGCTGGATGAAGAGCAGCAGGTG
 TTGCTTTCACGACTGGAAGAAGAGGAACAGGACATTCTGCAGCGACTCCGAGAAAATGCTGCTCACCTTG
 GGGACAAGCGCCGGGACCTGGCCCACTTGGCTGCCGAGGTGGAGGGCAAGTGCTTACAGTCAGGCTTCGA
 GATGCTTAAGGATGTCAAAGTACCCTGGAAAAGAATATTCCTAGAAAAGTTCGGAGGCTCACTCTCAACG
 ATCTGTCCACGGGATCATAAGGCTCTCCTTGGATTAGTAAAAGAAATCAACAGATGTGAAAAGGTGAAGA
 CCATGGAGGTGACTTCAGTATCCATAGAGCTGGAAAAGAACTTCAGCAATTTTCCCGACAGTACTTTGC
 CCTAAGGAAAATCCTTAAACAGCTAATTGCGGATGTGACCCTGGACCCTGAGACAGCTCATCCTAACCTA
 GTCCTGTGAGGAGTGTGTAAGAGCGTCAAGTTCGTGGAGACAAGACTCCGGGATCTCCCTGACACACCAA
 GCGGTTTACCTTCTACCCTTGCCTGGTACTGAGGGTTTACCTCAGGTCGACACTCTGGGAGGT
 GGAGTGGGCGACAAGACCCACTGGGCGAGTGGGTGTATGCCGGGACTCCGTGAGCCGAAAGGGCGAGTTG
 ACTCCACTCCCTGAGACTGGCTACTGGCGGTGCGGCTATGGAATGGGGACAAATATGCAGCCACCACCA
 CACCTTTTACCCCTTTCACATCAAGGTGAAACCAAGCGGGTAGGCATATTCCTAGACTATGAGGCCGG
 CACTGTCTTTTACAATGTACAGACCCTCTCATATCTACACCTTCACTGATACTTTTACTGAGAAA
 CTTTGGCCCTTCTTACCAGGCATCCGGGCTGGACGGAAGAATGCTGCACCCTTACCATCAGGCCCC
 CAACAGATTGGGAG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213350 representing NM_021253
 Red=Cloning site Green=Tags(s)

MAETSLLEAGASAASTAAALENLQVEASCSVLCLEYLKEPVIIIECGHNFCKACITRWEDLERDFPCPVCR
 KTSRYRSLRPNRQLGSMVEIAKQLQAVKRKIRDESLCPQHHEALSLFCYEDQEAVCLICAI SHTHRAHTV
 VPLDDATQEYKEKLQKCLEPLEQKLQEITRCKSSEKPKGELKRLVESRRQQILREFEELHRRLEDEEQV
 LLSRLEEEEQDILQRLRENAHLGDKRRDLAHLAAEVEGKCLQSGFEMLKDVKSTLEKNIPRKFGGSLST
 ICPRDHKALLGLVKEINRCEKVKTMVTSVSIELEKNFSNFPRQYFALRKILKQLIADVTLDPETAHPNL
 VLSEDRKSVKFEVETRLRDLPTPRRFTFYPCVLATEGFTSGRHYWEVEVGDKTHWAVGVCRDSVSRKGEL
 TPLPETGYWRVRLWNGDKYAATTPFTPLHIKVKPKRVGIFLDYEAGTLSFYNVTD RSHIYFTDTFTEK
 LWPLFYPGIRAGRKNAAPLTI RPPDWE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg3394_d07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_021253

ORF Size: 1554 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_021253.2](#), [NP_067076.2](#)

RefSeq Size: 3635 bp

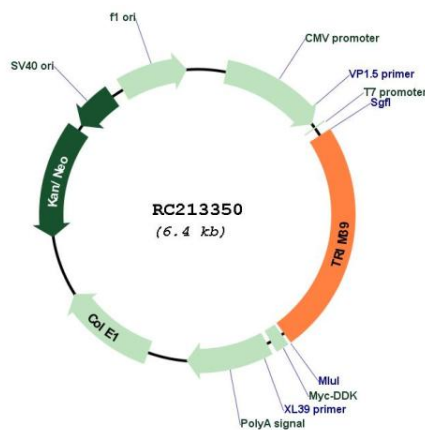
RefSeq ORF: 1557 bp

Locus ID: 56658

UniProt ID: [Q9HCM9](#)
Cytogenetics: 6p22.1
Domains: zf-B_box, RING, SPRY, PRY
Protein Families: Druggable Genome
MW: 59.5 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 and a B-box type 2, and a coiled-coil region. The function of this protein has not been identified. This gene lies within the major histocompatibility complex class I region on chromosome 6. Alternate splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC213350