

Product datasheet for **RG220161**

RNF21 (TRIM34) (NM_001003827) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF21 (TRIM34) (NM_001003827) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIM34
Synonyms:	IFP1; RNF21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG220161 representing NM_001003827
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTCAAAAATCTTGCTAACGTACAAGAGGAGGTGACCTGTCCCATCTGCCTGGAGCTGTTGACAG
 AACCCCTTGAGTCTAGACTGTGGCCACAGCCTCTGCCGAGCCTGCATCACTGTGAGCAACAAGGAGGCAGT
 GACCAGCATGGGAGGAAAAAGCAGCTGTCTGTGTGGTATCAGTTACTCATTTGAACATCTACAGGCT
 AATCAGCATCTGGCCAACATAGTGGAGAGACTCAAGGAGGTCAAGTTGAGCCAGACAATGGGAAGAAGA
 GAGATCTCTGTGATCATCATGGAGAGAACTCCTACTCTTCTGTAAGGAGGATAGGAAAGTCATTTGCTG
 GCTTTGTGAGCGGTCTCAGGAGCACCGTGGTACCACACAGTCTCACGGAGGAAGTATTCAGGAATGT
 CAGGAGAACTCCAGGCAGTCTCAAGAGGCTGAAGAAGGAAGAGGAGGAAGCTGAGAAGCTGGAAGCTG
 ACATCAGAGAAGAGAAAACCTTCTGGAAGTATCAGGTACAAACTGAGAGACAAAGGATACAAACAGAATT
 TGATCAGCTTAGAAGCATCCTAAATAATGAGGAGCAGAGAGAGCTGCAAAGATTGGAAGAAGAAGAAAAG
 AAGACGCTGGATAAGTTTGCAGAGGCTGAGGATGAGCTAGTTACAGAGAAGCAGTTGGTGAGAGAGCTCA
 TCTCAGATGTGGAGTGTGGGAGTCAAGTGGTCAACAATGGAGCTGCTGCAGGACATGAGTGGAAATCATGAA
 ATGGAGTGAGATCTGGAGGCTGAAAAAGCCAAAATGGTTTCCAAGAACTGAAGACTGTATTCCATGCT
 CCAGATCTGAGTAGGATGCTGCAAATGTTTAGAGAAGTACAGCTGTCCGGTGCTACTGGGTGGATGTCA
 CACTGAATTCAGTCAACCTAAATTTGAATCTTGTCTTTCAGAAGATCAGAGACAAGTGATATCTGTGCC
 AATTTGGCCTTTTCAGTGTATAATTATGGTGTCTTGGGATCCCAATATTTCTCCTCTGGGAAACATTAC
 TGGGAAGTGGACGTGTCCAAGAAAACCTGCTGGATCCTGGGGTATACTGTAGAACATATCCCGCCATA
 TGAAGTATGTTGTTAGAAGATGTGCAAAATCGTCAAAATCTTACACCAAAACAGACCTCTATTTGGCTA
 CTGGGTTATAGGGTTACAGAATAAATGTAAGTATGGTGTCTTTGAAGAGTCTTTGCTCCTCTGATCCCGAG
 GTTTTACTCTCTCCATGGCTGTGCCTCCCTGCCGTGTTGGGTTTTCTCGACTATGAAGCAGGCATTG
 TCTCATTTTTCAATGTCACAAGCCATGGCTCCCTCATTTACAAGTTCTCTAAATGTTGCTTTTCTCAGCC
 TGTTTATCCATATTTCAATCCTTGGAACTGTCCAGCTCCCATGACTCTATGCCCAACAGCTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG220161 representing NM_001003827
 Red=Cloning site Green=Tags(s)

MASKILLNVQEEVTCPICLELLTEPLSLDCGHSLCRACITVSNKEAVTSMGGKSSCPVCGISYSFEHLQA
 NQHLANIVERLKEVKLSPDNGKKRDLCDHHGEKLLLFCKEDRKVICWLCERSQEHRGHHTVLTTEEVFKEC
 QEKLQAVLKRLKKEEEEEAEKLEADIREEKTSWKYQVQTERQRIQTTEFDQLRSILNNEEQRELQRLEEEK
 KTLDFAEAEDELVQKQLVRELI SDVECRSQWSTMELLDMSGIMKWEIWRLLKPKMVSKKLKTVFHA
 PDL SRMLQMFRELTA VRCYWVDVTLNSVNLNLNLVLS EDQRQVISVPIWPFQCYNYGVLSQYFSSGKHY
 WEVDVSKKTAWILGVYCRYSRHMKYVVRRCANRQNL YTKYRPLFGYWVIGLQNKCKYGVFEESLSSDPE
 VLTLSMAVPPCRVGVFLDYEAGIVSFFNVTSHGSLIYKFSKCCFSQPVPYPFNPWNC PAPMTLCPSS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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_001003827.1](#), [NP_001003827.1](#)

RefSeq Size: 2326 bp

RefSeq ORF: 1467 bp

Locus ID: 53840

UniProt ID: [Q9BYI4](#)

Cytogenetics: 11p15.4

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, B-box type 1 and B-box type 2 domain, and a coiled-coil region. Expression of this gene is up-regulated by interferon. This gene is mapped to chromosome 11p15, where it resides within a TRIM gene cluster. Alternative splicing results in multiple transcript variants. A read-through transcript from the upstream TRIM6 gene has also been observed, which results in a fusion product from these neighboring family members. [provided by RefSeq, Oct 2010]