

Product datasheet for **SC309657**

RNF21 (TRIM34) (NM_130390) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF21 (TRIM34) (NM_130390) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIM34
Synonyms:	IFP1; RNF21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309657 representing NM_130390. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTTCAAAAACTTGCTTAACGTACAAGAGGAGGTGACCTGTCCCATCTGCCTGGAGCTGTTGACA
GAACCCCTTGAGTCTAGACTGTGGCCACAGCCTCTGCCGAGCCTGCATCACTGTGAGCAACAAGGAGGCA
GTGACCAGCATGGGAGGAAAAAGCAGCTGTCTGTGTGGTATCAGTTACTCATTTGAACATCTACAG
GCTAATCAGCATGGCCAACATAGTGGAGAGACTCAAGGAGGTCAAGTTGAGCCAGACAATGGGAAG
AAGAGAGATCTCTGTGATCATCATGGAGAGAACTCCTACTCTTCTGTAAGGAGGATAGGAAAGTCATT
TGCTGGCTTTGTGAGCGGTCTCAGGAGCACCGTGGTACCACACAGTCTCACGGAGGAAGTATTCAAG
GAATGTCAGGAGAACTCCAGGCAGTCCCTAAGAGGCTGAAGAAGGAAGGAGGAAGCTGAGAAGCTG
GAAGCTGACATCAGAGAAGAGAAAATTCTGGAAGTATCAGGTACAAAAGTGAAGACAAAAGGATACAA
ACAGAATTTGATCAGCTTAGAAGCATCCTAAATAATGAGGAGCAGAGAGAGCTGCAAAGATTGGAAGAA
GAAGAAAAGAAGACGCTGGATAAGTTTGCAGAGGCTGAGGATGAGCTAGTTTACAGCAGAAGCAGTTGGTG
AGAGAGCTCATCTCAGATGTGGAGTGTCCGAGTCAGTGGTCAACAATGGAGCTGCTGCAGGACATGAGT
GGAATCATGAAATGGTGCGTATGGGTGGCCAGGAGTGGTCTTGTGAGTTATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_130390
Insert Size:	813 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_130390.2
RefSeq Size:	959 bp
RefSeq ORF:	813 bp
Locus ID:	53840
UniProt ID:	Q9BYJ4
Cytogenetics:	11p15.4
Protein Families:	Druggable Genome
MW:	31.4 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks several 3' exons but includes a unique segment at its 3' end, compared to variant 1. The encoded isoform (3, also known as the short form) has a distinct and shorter C-terminus, compared to isoform 1. The 5' UTR is incomplete due to a lack of 5'-complete transcripts representing this variant and the presence of splicing ambiguity in the 5' region.</p>