

Product datasheet for **RC234812**

RNF22 (TRIM3) (NM_001248006) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF22 (TRIM3) (NM_001248006) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF22
Synonyms:	BERP; HAC1; RNF22; RNF97
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234812 representing NM_001248006
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAAAGAGGGAGGACAGCCCTGGCCAGAGGTCCAGCCAATGGACAAGCAGTTCCTGGTATGCAGCA
 TCTGCCTGGATCGGTACCAAGTTCCTTCCTTGCTGCACACCTTCTGTGAGAGATGTCTCCA
 AACTATATCCCTGCCAGACCTGACGCTATCCTGTCCAGTATGCCGGCAGACGTCCATCCTCCAGAG
 CAGGGCGTCTCGGCACTGCAACAACCTTCTTCATCAGCAGCCTCATGGAGGCAATGCAGCAGGCACCTG
 ATGGGGCCACGACCCGGAGGACCCCAACCCCTCAGTGTAGTGGCTGGCCGCCCTCTCTCTGCCCAA
 CCATGAAGGCAAGACGATGGAGTTTTACTGTGAGGCTGTGAGACGGCCATGTGTGGTGTGAGTCCGCGCC
 GGGGAGCATCGTGTGAGTGGCAGTGTGCTGAGGGATGTGGTGGAGCAGCACAAGGCGGCCCTGCAGC
 GCCAGCTCGAGGCTGTGCTGGCCGATTGCCACAGCTGTCCGAGCAATTGCCTTAGTCGGGGGCATCAG
 CCAGCAGCTGCAGGAGCGCAAGGCAGAGCCCTGGCCAGATCAGTGCAGCGTTCGAGGACCTGGAGCAA
 GCACTGCAGCAGCGCAAGCAGGCTCTGGTCAGCGACCTGGAGACCAATTTGTGGGGCCAAACAGAAGGTGT
 TGCAAAGCCAGCTGGACACACTGCGCCAGGGTCAGGAACACATCGGCAGTAGCTGCAGCTTTGCAGAGCA
 GGCACTGCGCCTGGGCTCGGCCCGGAGGTGTTGCTGGTGCAGCAAGCAGTGCAGAGCGGCTGGTGTCA
 TTGGCGGCACAGGCCCTCCCGGAGCGGCCACATGAGAAATGCACAGCTGGAAGTGGTCTTGGAGTGGACG
 GTCTGCGGCGATCGGTGCTCAATCTGGGCGCACTGCTCACCACGAGCGCCACTGCACACGAAACGGTGGC
 CACGGGAGAGGGCTGCGCCAGGCGCTAGTGGCCAGCCTGCCTCGTCACTGTCACTACCAAGACAAG
 GACGGGCGGTTGGTGCACAGGCGAGCCTGAGCTGCGTGCAGAGATCACCGCCCGGACGGCAGCGGCC
 TTCCGGTGCCAGTGGTGGACCAAGAATGGACACATATGAGCTAGTGTACACAGCGGCACGGAAGGCGA
 GCTGCTCCTCTCGGTGCTGCTCTACGGACAGCCAGTGCAGCGCAGCCCTTCCGGGTGCGTGCCTGCGT
 CCGGGGGACCTGCCACCTCCCGGACGATGTGAAGCGCCGTGTCAAGTCCCCTGGCGGCCCGGACGCC
 ATGTGCGCCAGAAGGCAAGTGCAGTGGCCAGCTCCATGTACAGCAGAGCGGCAACGAAAGGACAACCC
 AATTGAGGATGAGCTCGTCTTCCGTGTTGGCAGTGTGGAAGGGAGAAAGGTGAATTCACCAATTTACAA
 GGTGTGTCAGCCAGCAGCGGCCGATCGTGGTAGCAGACAGCAACAACAGTGTATTCAGGTTTTCT
 CCAATGAGGGCCAGTTCAGTTCCTGTTTGGGGTCCGAGGACGCTCACCTGGGCAGCTGCAGCGCCAC
 AGGTGTGGCAGTGGACCAATGGAGACATAATTGTGGCAGACTATGACAACCGTTGGGTGAGCATCTTC
 TCCCTGAGGGCAAGTTCAGACCAAGATTGGAGCTGGCCGCTCATGGGCCCAAGGGAGTGGCCGTAG
 ACCGGAATGGACATATCATTGTGGTGCACAACAAGTCTTGTGCTGCTTTACCTCCAGCCCAATGGCAA
 ACTGTTGGCCGTTTTGGGGCCGTGGGGCCACTGACCGCCACTTTGCAGGGCCCAATTTGTGGTGTG
 AACAAAGAATGAAATGTAGTAACGGACTTCCATAACCAATTCAGTGAAGGTGTACAGTCCGATGGAG
 AGTTCTCTTCAAGTTGGCTCCATGGCGAGGGCAATGGGCAGTTCAATGCCCCACAGGAGTAGCTGT
 GGACTCCAATGAAACATCATTGTGGCTGACTGGGGCAACAGCCGATCCAGGTATTCGACAGCTCTGGC
 TCCTTCTGTCTATATCAACACATCTGCAGAACCAGTGTATGGTCCACAGGGCCTGGCACTGACCTCGG
 ATGGCCATGTGGTGGTGGCTGATGCTGGCAACCAGTCTTAAAGCCTATCGCTACCTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC234812 representing NM_001248006
Red=Cloning site Green=Tags(s)

MAKREDSPGPEVQPMQKQFLVCSICLDRYQCPKVLPC LHFCERCLQNYIPAQSLT LSCPVC RQTSILPE
 QGVSA LQNNFFISSLMEAMQAPDGAHPEDPHPLSVVAGRPLSCP NHEGKTMEFYCEACETAMCGECRA
 GEHREHGTVLLRDVVEQHKAA LQRQLEAVRGRLPQLSAAIALVGGISQQLQERKAEALAQI SAAEFEDLEQ
 ALQQRKQALVSDLETICGAKQKVLQSQ LDTLRQGEHIGSSCSFAEQALRLGSAPEVLLVRKHMRLAA
 LAAQAFPERPHENAQLELVLEVDGLRRSVLNLGALLTTSATAHETVATGEGLRQALVGQPASLTVTTKDK
 DGRLVRTGSAELRAEITGPDGTRLPVPVVDHKNGTYELVYTARTEGELL LSVLLYGQPV RGSPPFRVRLR
 PGDLPPSPDDVKRRVKSPGGPGSHVRQKAVRRPSSMYSTGGKRKNPIEDELVFRVGSRGREKGEFTNLQ
 GVSAASSGRIVVADSNNQCIQVFSNEGQFKFRFGVRGRSPGQLQRPTGVAVDTNGDIIVADYDNRWVSIF
 SPEGKFKTKIGAGRLMGPKGVA VDRNGHIIVVDNKSCCVTFQPNGKLVGRFGGRGATDRHFA GPHFVAV
 NNKNEIVVDFHNH SVKVVYSADGEFLFKFGSHGEGNGQFNAPTGVAVDSNGNIIIVADWGN SRIQVFDSSG
 SFLSYINTSAEPLYGPQGLALTSDGHVVADAGNHCFKAYRYLQ

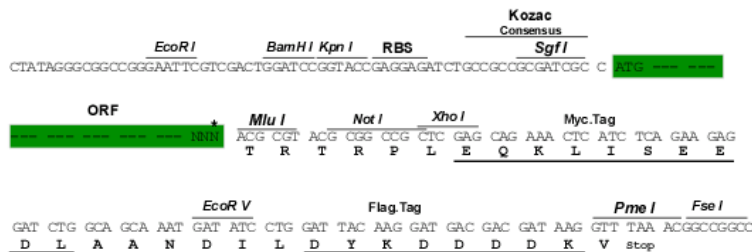
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6261_a12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001248006

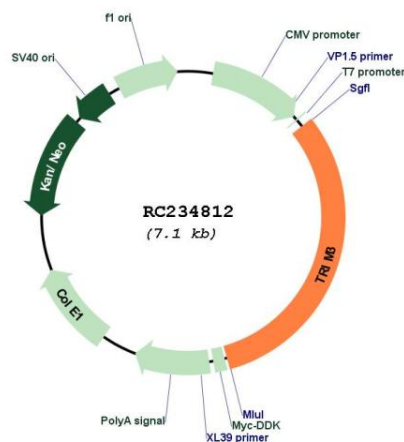
ORF Size: 2232 bp

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:	<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_001248006.1 , NP_001234935.1
RefSeq Size:	3067 bp
RefSeq ORF:	2235 bp
Locus ID:	10612
UniProt ID:	O75382
Cytogenetics:	11p15.4
MW:	80.8 kDa
Gene Summary:	<p>The protein encoded by this gene is a member of the tripartite motif (TRIM) family, also called the 'RING-B-box-coiled-coil' (RBCC) subgroup of RING finger proteins. 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. This protein localizes to cytoplasmic filaments. It is similar to a rat protein which is a specific partner for the tail domain of myosin V, a class of myosins which are involved in the targeted transport of organelles. The rat protein can also interact with alpha-actinin-4. Thus it is suggested that this human protein may play a role in myosin V-mediated cargo transport. Alternatively spliced transcript variants encoding the same isoform have been identified. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RC234812

