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Product datasheet for SC332129

RNF22 (TRIM3) (NM_001248006) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF22 (TRIM3) (NM_001248006) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF22
Synonyms:	BERP; HAC1; RNF22; RNF97
Vector:	pCMV6-Entry (PS100001)

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Fully Sequenced ORF:

>SC332129 representing NM_001248006.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCAAAGAGGGAGGACAGCCCTGGCCCAGAGGTCCAGCCAATGGACAAGCAGTTCCTGGTATGCAGC
ATCTGCCTGGATCGGTACCAGTGCCCCAAGGTTCTTCCTTGCCTGCACACCTTCTGTGAGAGATGTCTC
CAAAACTATATCCCTGCCCAGAGCCTGACGCTATCCTGTCCAGTATGCCGGCAGACGTCCATCCTCCCA
GAGCAGGGCGTCTCGGCACTGCAGAACAACTTCTTCATCAGCAGCCTCATGGAGGCAATGCAGCAGGCA
CCTGATGGGGCCCACGACCCGGAGGACCCCCACCCCCTCAGTGTAGTGGCTGGCCGCCCTCTCTCCTGC
CCCAACCATGAAGGCAAGACGATGGAGTTTTACTGTGAGGCCTGTGAGACGGCCATGTGTGGTGAGTGC
CGCGCCGGGGAGCATCGTGAGCATGGCACAGTGCTGCTGAGGGATGTGGTGGAGCAGCACAAGGCGGCC
CTGCAGCGCCAGCTCGAGGCTGTGCGTGGCCGATTGCCACAGCTGTCCGCAGCAATTGCCTTAGTCGGG
GGCATCAGCCAGCAGCTGCAGGAGCGCAAGGCAGAGGCCCTGGCCCAGATCAGTGCAGCGTTCGAGGAC
CTGGAGCAAGCACTGCAGCAGCGCAAGCAGGCTCTGGTCAGCGACCTGGAGACCATTTGTGGGGCCAAA
CAGAAGGTGTTGCAAAGCCAGCTGGACACACTGCGCCAGGGTCAGGAACACATCGGCAGTAGCTGCAGC
TTTGCAGAGCAGGCACTGCGCCTGGGCTCGGCCCCGGAGGTGTTGCTGGTGCGCAAGCACATGCGAGAG
CGGCTGGCTGCATTGGCGGCACAGGCCTTCCCGGAGCGGCCACATGAGAATGCACAGCTGGAACTGGTC
CTTGAGGTGGACGGTCTGCGGCGATCGGTGCTCAATCTGGGCGCACTGCTCACCACGAGCGCCACTGCA
CACGAAACGGTGGCCACGGGAGAGGGCCTGCGCCAGGCGCTAGTGGGCCAGCCTGCCTCGCTCACTGTC
ACTACCAAAGACAAGGACGGGCGGTTGGTGCGCACAGGCAGCGCTGAGCTGCGTGCAGAGATCACCGGC
CCGGACGGCACGCGCCTTCCGGTGCCAGTGGTGGACCACAAGAATGGCACATATGAGCTAGTGTACACA
GCGCGCACGGAAGGCGAGCTGCTCCTCTCGGTGCTGCTCTACGGACAGCCAGTGCGCGGCAGCCCCTTC
CGCGTGCGTGCCCTGCGTCCGGGGGACCTGCCACCTTCCCCGGACGATGTGAAGCGCCGTGTCAAGTCC
CCTGGCGGCCCCGGCAGCCATGTGCGCCAGAAGGCAGTGCGTAGGCCCAGCTCCATGTACAGCACAGGC
GGCAAACGAAAGGACAACCCAATTGAGGATGAGCTCGTCTTCCGTGTTGGCAGTCGTGGAAGGGAGAAA
GGTGAATTCACCAATTTACAAGGTGTGTCCGCAGCCAGCAGCGGCCGCATCGTGGTAGCAGACAGCAAC
AACCAGTGTATTCAGGTTTTCTCCAATGAGGGCCAGTTCAAGTTCCGTTTTGGGGTCCGAGGACGCTCA
CCTGGGCAGCTGCAGCGCCCCACAGGTGTGGCAGTGGACACCAATGGAGACATAATTGTGGCAGACTAT
GACAACCGTTGGGTCAGCATCTTCTCCCCTGAGGGCAAGTTCAAGACCAAGATTGGAGCTGGCCGCCTC
ATGGGCCCCAAGGGAGTGGCCGTAGACCGGAATGGACATATCATTGTGGTCGACAACAAGTCTTGCTGC
GTCTTTACCTTCCAGCCCAATGGCAAACTGGTTGGCCGTTTTGGGGGCCGTGGGGCCACTGACCGCCAC
TTTGCAGGGCCCCATTTTGTGGCTGTGAACAACAAGAATGAAATTGTAGTAACGGACTTCCATAACCAT
TCAGTGAAGGTGTACAGTGCCGATGGAGAGTTCCTCTTCAAGTTTGGCTCCCATGGCGAGGGCAATGGG
CAGTTCAATGCCCCCACAGGAGTAGCTGTGGACTCCAATGGAAACATCATTGTGGCTGACTGGGGCAAC
AGCCGCATCCAGGTATTCGACAGCTCTGGCTCCTTCCTGTCCTATATCAACACATCTGCAGAACCACTG
TATGGTCCACAGGGCCTGGCACTGACCTCGGATGGCCATGTGGTGGTGGCTGATGCTGGCAACCACTGC
TTTAAAGCCTATCGCTACCTCCAGTAG

Restriction Sites: SgfI-MluI

ACCN: NM_001248006

Insert Size: 2235 bp

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).

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.
RefSeq:	NM_001248006.1
RefSeq Size:	3067 bp
RefSeq ORF:	2235 bp
Locus ID:	10612
UniProt ID:	O75382
Cytogenetics:	11p15.4
MW:	80.8 kDa
Gene Summary:	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] Transcript Variant: This variant (4) contains a different 5' UTR, compared to variant 1. Variants 1, 2, and 4 encode the same protein (isoform 1).