

## Product datasheet for **SC332130**

### RNF22 (TRIM3) (NM\_001248007) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RNF22 (TRIM3) (NM\_001248007) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RNF22  
**Synonyms:** BERP; HAC1; RNF22; RNF97  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332130 representing NM\_001248007.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAAGACGATGGAGTTTTACTGTGAGGCCTGTGAGACGGCCATGTGTGGTGAAGTCCCGCCGGGGGAG
CATCGTGAGCATGGCACAGTGTCTGAGGGATGTGGTGGAGCAGCACAAAGGCGGCCCTGCACGCCAG
CTCGAGGCTGTGCGTGGCCGATTGCCACAGCTGTCCGACGAATTGCCTTAGTCGGGGGCATCAGCCAG
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CTGCAGCAGCGCAAGCAGGCTCTGGTCAAGCAGCTGGAGACCATTGTGGGGCCAAACAGAAGGTGTTG
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GCACTGCGCCTGGGCTCGGCCCGGAGGTGTGCTGGTGCGAAGCACATGCGAGAGCGGCTGGCTGCA
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GTATTCGACAGCTCTGGCTCCTTCTGTCTATATCAACACATCTGCAGAACCACTGTATGGTCCACAG
GGCCTGGCACTGACCTCGGATGGCCATGTGGTGGTGGCTGATGCTGGCAACCACTGCTTTAAGCCTAT
CGCTACCTCCAGTAG
  
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001248007
<b>Insert Size:</b>	1878 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001248007.1</a>
<b>RefSeq Size:</b>	2730 bp
<b>RefSeq ORF:</b>	1878 bp
<b>Locus ID:</b>	10612
<b>UniProt ID:</b>	<a href="#">O75382</a>
<b>Cytogenetics:</b>	11p15.4
<b>MW:</b>	67.7 kDa
<b>Gene Summary:</b>	<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> <p>Transcript Variant: This variant (5) lacks several exons, which results in translation initiation at a downstream start codon, compared to variant 1. The resulting protein (isoform 2) is shorter when it is compared to isoform 1.</p>