

## Product datasheet for **SC308105**

### RNF90 (TRIM7) (NM\_203294) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RNF90 (TRIM7) (NM_203294) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF90
Synonyms:	GNIP; RNF90
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_203294, the custom clone sequence may differ by one or more nucleotides ATGGCAGCGGAGCAGGAGAAGGTGGGGCAGAGTTCCAGGCACTGAGGGCTTTCCTGGTG GAGCAGGAGGGTTCGGCTGCTAGGCCGCTGGAGGAACTGTCCCGGAGGTGGCACAGAAG CAGAATGAGAACCTGGCCAGCTCGGGTTGAGATCACCCAGCTGTCCAAGCTCAGCAGC CAGATCCAGGAGACAGCTCAAAAGCCTGACCTTGACTTTCTCCAGGAATCAAAAGCACG CTGAGCAGGTGTAGCAATGTGCCTGGCCCAAGCCAACCACAGTCTCTTCTGAGATGAAG AATAAAGTCTGGAATGTTTCTCTCAAGACCTTTGTCTTAAAGGGATGCTGAAGAAGTTC AAAGAGGACCTTCGGGGAGAGCTGGAGAAAGAGGAGAAAGTGGAGCTCACCTTGGATCCC GACACGGCCAACCCGCGCTCATCTCTCTGGATCTTAAGGGCGTGGCCCTCGGCGAG CGGGCCAGGACCTGCCAACCACCCCTGCCGTTTCGACACCAACACCCGCGTCTGGCG TCCTGCGGCTTCTCCTCGGGCCGGCATCACTGGGAGGTGGAGGTGGGCTCTAAGGACGGC TGGGCCTTTGGCGTGGCCCGGAGAGCGTGCGCCGAAAGGGCCTGACGCCCTTCACTCCC GAGGAGGGCGTCTGGCCCTGCAGCTCAACGGCGGCCAGTACTGGGCCGTGACCAGCCCC GAGCGTGCGCCCTCAGCTGCGGGCACCTGTGCGCGTGGGGTGGCCCTGGACCTGGAG GTGGGAGCCGTGCTCTTCTACGCTGTGGAGGACATGCCACCTTACACCTTCCGCGTC AACTTCCAGGAGCGGTGTTCCCGCTTTCTCTGTTGCTCCACGGGCACCTACTTGCGA ATCTGGCCTTGA
Restriction Sites:	Please inquire
ACCN:	NM_203294
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.



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<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>	<u><a href="#">NM_203294.1</a></u> , <u><a href="#">NP_976039.1</a></u>
<b>RefSeq Size:</b>	2592 bp
<b>RefSeq ORF:</b>	912 bp
<b>Locus ID:</b>	81786
<b>UniProt ID:</b>	<u><a href="#">Q9C029</a></u>
<b>Cytogenetics:</b>	5q35.3
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<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, a B-box type 1, a B-box type 2, and a coiled-coil region. The protein localizes to both the nucleus and the cytoplasm, and may represent a participant in the initiation of glycogen synthesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]</p> <p>Transcript Variant: This variant (5, also known as GNIP2b) differs in the 5' UTR and the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. Variants 3, 4 and 5 encode the same isoform (3), which is shorter at the N-terminus, compared to isoform 1.</p>