

## Product datasheet for **SC332103**

### PRPF4 (NM\_001244926) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PRPF4 (NM\_001244926) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PRPF4  
**Synonyms:** HPRP4; HPRP4P; PRP4; Prp4p; RP70; SNRNP60  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332103 representing NM\_001244926.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTTCCTCGCGAGCCTCTTCCACGGCAACCAAACTAAAGCACCCGACGACTTAGTTGCTCCGGTC
GTGAAGAAACACACATCTATTATGGAAGTTTGGGAAGAGAAGGAGAGGGAGCGTCTGGCCAAAGGAGAG
TCTGGGATTTTGGGAAAGACGGACTTAAAGCAGGGATCGAAGCTGAAATATTAATATAACCTCTGGA
GAAGTGTGTTGAAATTGAAGAGCATATCAGCGAGCGACAGGCAGAAGTATTGGCTGAGTTTGAGAGAAGG
AAGCGAGCCCGCAGATCAATGTTTCCACAGATGACTCAGAGGTCAAAGCTTGCCTTAGAGCCTTGGGG
GAACCCATCACACTTTTTGGAGAGGGTCTGCTGAAAGAAGAGAAAGTTAAGAAATATCCTCTCAGTT
GTCGGTACTGATGCCTTAAAAAGACCAAAAAGGATGATGAGAAGTCTAAAAAGTCCAAAGAAGAGTAT
CAGCAAACCTGGTATCATGAAGGACCAATAGCTTGAAGGTGGCAAGACTATGGATTGCTAATTATTCG
TTGCCAGGGCAATGAAACGCTTGAAGAGGGCCGACTCCATAAGGAGATTCTGAGACAACAAGGACC
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CGGCCTATCTCTACTGTCACTTTAGTCCCAATCCAAGATGCTGGCCACAGCTTGTGGAGTGGGCTT
TGCAAGCTCTGGTCTGTTCCCTGATTGCAACCTCCTTCACTCTTCGAGGGCATAACACAATGTAGGA
GCAATTGTATCCATCCCAATCCACTGTCTCCTTGGACCCAAAAGATGTCAACCTGGCCTCTTGTGGC
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GACCTACGCACAGGACGTTGTATCATGTTCTTAGAAGGCCACCTGAAAGAAATCTATGGAATAAATTTT
TCCCCAATGGCTATCACATTGCAACCGGCAGTGGTGACAACACCTGCAAAGTGTGGGACCTCCGACAG
CGGCGTTGCGTCTACACCATCCCTGCTCATCAGAACTTAGTGACTGGTGTCAAGTTTGGACCTATCCAT
GGGAATCTTGTACTGGTGCCTATGATAACACAGCCAAGATCTGGACGCACCCAGGCTGGTCCCCG
CTGAAGACTCTGGCTGGCCACGAAGGCAAAGTGTGGGCTAGATATTTCTTCCGATGGGACGCTCATA
GCCACTTGCTCATATGACAGGACCTTCAAGCTGTGGATGGCTGAATAG
  
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001244926  
**Insert Size:** 1566 bp



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<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>	<u>NM_001244926.1</u>
<b>RefSeq Size:</b>	2938 bp
<b>RefSeq ORF:</b>	1566 bp
<b>Locus ID:</b>	9128
<b>UniProt ID:</b>	<u>O43172</u>
<b>Cytogenetics:</b>	9q32
<b>Protein Pathways:</b>	Spliceosome
<b>MW:</b>	58.3 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene is part of a heteromeric complex that binds U4, U5, and U6 small nuclear RNAs and is involved in pre-mRNA splicing. The encoded protein also is a mitotic checkpoint protein and a regulator of chemoresistance in human ovarian cancer. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2016]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is 1 aa shorter compared to isoform 1.</p>