

## Product datasheet for **SC324596**

### **RPP30 (NM\_006413) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RPP30 (NM_006413) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPP30
Synonyms:	TSG15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_006413.2  
 ACACACACAAACGCCTTCTCCCGGAGTATTGAATAGTTGGGAATTGGAACCCCTCCAGG  
 GGGAAACCAACATTGTCGTTTCAGAAAGACAAAGAGAGATTGAAATGAAGCTGTTGATT  
 TCAACACACAAATTCTGGTGGTAGATGAAAGCAAAGCAAGTAAGTTTCTCCGAATCCCTA  
 GTCAACTGGAGGTAGAGACGGACTGCGCAGGTTAACTACAGCTCCCAGCATGCCTGAGGG  
 GCGGGCTCAGCGGCTGCGCAGACTGGCGCGCGGACGGTCATGGGACTTCAGCATGGCG  
 GTGTTTGACAGATTGGACCTGCGAGCGGGTTCTGACCTGAAGGCTCTGCGCGGACTTGTG  
 GAGACAGCCGCTCACCTTGGCTATTCAGTTGTTGCTATCAATCATATCGTTGACTTTAAG  
 GAAAAGAAAACAGGAAATTGAAAAACAGTAGCTGTTTCTGAACTTTCACAACTTTGCCA  
 ATTGTACAGGGAAAATCAAGACCAATTAATAATTTAACTAGATTAACAATTATTGTCTCG  
 GATCCATCTCACTGCAATGTTTTGAGAGCAACTTCTCAAGGGCCCGGCTCTATGATGTT  
 GTTGCAGTTTTTCCAAGACAGAAAAGCTTTTTTCATATTGCTTGACACACATTTAGATGTG  
 GATTTAGTCTGCATAACTGTAACAGAGAAACTACCATTTACTTCAAAGACCTCCTATT  
 AATGTGGCGATTGACCGAGGCTGGCTTTTGAAGTTGCTATAGCCCTGCTATCAAAGAC  
 TCCACAATGAGAAGGTATACAATTTCCAGTGCCCTCAATTTGATGCAAATCTGCAAAGGA  
 AAGAATGTAATTATATCTAGTGCTGCAGAAAGGCTTTAGAAAATAGAGGGCCATATGAC  
 GTGGCAAATCTAGGCTTGTCTGTTTGGGCTCTCTGAAAGTGACGCCAAGGCTGCGGTGTC  
 ACCAACTGCCGAGCAGCGCTTCTCCATGGAGAACTAGAAAACTGCTTTTGGAAATATC  
 TCTACAGTGAAGAAACCTCGGCCATCAGAAGGAGATGAAGATTGTCTTCCAGCTTCCAAG  
 AAAGCCAAGTGTGAGGGCTGAAAAGAAATGCCCCAGTCTCTGTCAGCACTCCCTTCTTCCC  
 TTTTATAGTTCATCAGCCACAACAAAAATAAACTTTGTGTGATTTACTGTTTTTCAATTT  
 GGAGCTAGAAAATCAATAGTCTATAAAAAACAGTTTTACTTGCAATCCATTAACAACAAAA  
 CGAAAAGTGTGAAAGCACTTTTTTAAAAGGCTGCCAGCTTAATGAATTTAGATGTACTTT  
 AAGAGAGAAAGACTGGTTATTTCTCCTTTGTGTAAAGTGATAAACAAACAGCAATATACTT  
 GAATAAAATGTTTCAGGTATTTTTGTTTCATTTTGTGATAGGGTCTTTGTTGCT  
 CAGGCTGGAGTACAGTGGCATAATCACAGCTCACTGCAACCTCAATCCTGGGCTCAAGTG  
 ATCCTCCCGCTTCCAGCTCTCAAGCAGCGGAACTACAGGTGTGCACTACCACACCTGGC  
 TATTTTTTTTTTTTTTTTTTTTTTCCCTTGTAGAGACATGGTCTCACTATGTTGCTGAGG  
 CTGGTCTCAAACCTCCTAGGATCAAGCCATCCTCCCGCTTTGGCCTCCTAAAGTGTGGGA  
 TTACATGAGCCACCACATGCAGCCAGATGTTTGAATATTTAAGAGCTTCTTTGAAAGT  
 TTCTTGTTCATACTCAAATAGTAGTATTTTGAAGATATTCAACTTATATTGAAGAAGT  
 GACTTTAGTTCCTTGTGTTTAAAGCTTCTTTCATGTATTCAAATCAGCATTTTTTCTAA  
 GAAATTGCTATAGAATTTGTGGAAGGAGAGAGGATACACATGTAATAATTACATCTGGTCT  
 CTTCTTCACTGCTTCATGCCTACGTAAGGTCTTTGAAATAGGATTCTTACTTTTAGTT  
 AGAAACCCCTAAAACGCTAATATTGATTTTCTGATAGCTGTATTAATAATAGCAAAGCA  
 TCGGACTGAACCAACTTTGGAAATAATTTATTTTATAATGGGATCATGTTAAGTAGAAG  
 TAGCTTTTTATGCAAATACATGCATTTATGCAATATTAATGTAAGGGCTCTAAAACAATG  
 GAGTAGAGCCAGAGGTATAACTGAATAAGAAATTTTTTAAAGCAAGAGAAAGACAAGTGT  
 TCTGCGGTTGGAGAAAATACAATTTTTTTTTTTTTTTTTTTTTTGGAGACAGTCTCGCTCTG  
 TCCCCAGGCTGGAGTGCAGTGGCTCGATCTGCTCACTGCAAGCTCCGCTCCTGGGT  
 TCATGCCATTCTCCTGCCTCAGCCTCCTGAGTAGCTGGGACTACAGGCGCTCGCCATGTA  
 TTTAGCAGAGACGGGTTTACCCTGTTAGCCAGGATGGTCTCAATCTCCTGACCTCATA  
 TTCCACCCGCTCGGCTCCCAAAGTGCTGGGATTACAGGCGTTAGCCACTGCGCCCGGC  
 CCGAGAAAATACAGTTTTAAAAGAGAAAGCTTTATAACCTCACCAATGAATACAAATGT  
 TTAATAAAATATTGATTAATAAACATTAAGAGCGAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_006413

<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>OTI Annotation:</b>	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.
<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_006413.2</a> , <a href="#">NP_006404.1</a>
<b>RefSeq Size:</b>	2643 bp
<b>RefSeq ORF:</b>	807 bp
<b>Locus ID:</b>	10556
<b>UniProt ID:</b>	<a href="#">P78346</a>
<b>Cytogenetics:</b>	10q23.31
<b>Domains:</b>	RNase_P_p30
<b>Gene Summary:</b>	<p>Component of ribonuclease P, a ribonucleoprotein complex that generates mature tRNA molecules by cleaving their 5'-ends (PubMed:9037013, PubMed:9630247, PubMed:30454648). Also a component of the MRP ribonuclease complex, which cleaves pre-rRNA sequences (PubMed:28115465).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR, which results in a frameshift, compared to variant 1. The encoded isoform (b) is shorter and has a distinct C-terminus, compared to isoform a.</p>