

## Product datasheet for **SC123388**

### RPP38 (NM\_183005) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RPP38 (NM\_183005) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RPP38  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**Cell Selection:** None  
**Fully Sequenced ORF:** >OriGene sequence for NM\_183005 edited

```
GTGGGTTCCAGGTGGGCGCGGGGCCACGTAGGGCAGGAGCCAGCCCGGGGGGATC
GGGCCCGGGACTCTGCGGAATCTGGAGGCCGAAGCCCGCGGCACGCAGGGTCTCTGCTG
CTTCCCCAACGCCTGTTGCGTGGCCGCAGGACCCGCCGCCTCCCGTTGGGCCGCCAG
TCCCGGGCCGGCGCGTGCACCCAGAGCTTCCGCGTTTCTAGTCCGGCTCCTCTGCTGGA
TTGCAGCGCCGGCTGGGCACCAGGAGTACAAAGCGAAAACCCCGCCGGCCCTTCTGTTC
TCCACGGTCTCCAAGGAGACACGGACAACAACAACACTTCCGTGTGCTAAATAGTAAA
GCACCAAGACAGGGTCAGATGTGTTACTGGGCTGGAGTGTGGTGGCACAATCACGCTCAC
TGCATCCTTGACCTCCTGGGCTCAAGTGATCTTCCACCTCAGCTCCCAAGTAGCTGGG
ACTACAGGATTTTCAAAATGGCTGCAGCTCCTCAAGCACCGGGGGGATCTCTCCGTA
AGACGAGACCTCTGGTTGTGAAGACGCTGTTGAACAACCCATACATCATCCGCTGGAGCG
CTCTGGAGAGCGAGGATATGCACCTTACCTACAGACGCTTGAGGACAGGCTTAAAGCTA
TTGGACTTCAGAAGATTGAAGATAAGAAGAAAAAGAACAAAACACCTTTTCTGAAAAAG
AAAGCAGAGAGAAATGCAGCATTGCTGTTGATATTAGTGAGAATCTGAAGGAGAAGAAAA
CAGATGCTAAGCAGCAAGTGTCAAGGTGGACGCCTGCACACGTGAGGAAGCAGCTTGCCA
TTGGCGTTAACGAAGTTACCAGAGCCCTGAAAAGGAGGGAAGTGTGTTAGTTCTGGTGT
GTAATCAGTCAAGCCTGCCATGATCACCTCACACTTGATTCAGTTAAGCCTAAGCAGAA
GTGTCCCTGCCTGTCAGTCCCGGCTCAGTGAGAGAATCGCCCCGTCATTGGCTTAA
AATGTGTTCTAGCCTTGGCGTTCAAAAAGAACCACTGACTTTGTGGACGAAGTAAGAG
CCATCATCCCCAGAGTCCCAGTTAAGTGTACCATGGCTTCAAGACAGAATTGAAGATT
CTGGGGAAAAATTTAGAGACTGAACCTCTGGAAAGCCAAGACAGAGAGCTTTTGGACACTT
CATTTGAAGATCTGTCAAAACCTAAGAGAAAGCTTGTGACGGTCCGGCAGGCTTCTGTAA
CATTACAACCCCTTAAAAATAAGAACTGATTCCAACCCCTAATAAGATAAGGAAACCAC
CCAAAAGTAAAAAGCTACTCCAAGTAATCTTGCATAAACTTGTATGTCATACAGTTT
GTGAAAGGACACCTTGTAAAGAAGCCTTGAACCTAATAAAATGAGTTATACCCAGAAAAA
AAAAAAAAA
```



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_183005 unedited NNCCCCGGGACTTGTATTTGTATACGACTCATATAGGCGGCCGATAAATTTCGTATAGCAT ACATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGG TGGGTTCCAGGTGGGCGCGGGGGCCACGTAGGGCAGGAGGCCAGCCCCGGGGGATCG GGCCCCGGGACTCTGCGGAATCTGGAGGCCGAAGCCGCGCGCACGCAGGGTCTCTGCTGC TTCCCCAACGCCTGTTGCGTGGCCGACGACCCGCCCTCCCGTTGGGCCGCCCAGT CCCGGCCGGGCGCGTGCACCCAGAGCTTCCGCGTTTCTAGTCCGGCTCCTCTGCTGGAT TGCAGCGCCGGCTGGGCACCAGGAGTACAAAGCGAAAACCCCGCCGCCCTTCTGTTCT CCACGGTCTCCAAGGAGACACGGACAACAGAACAACACTTCCGTGTGCTAAATAGTAAAG CACCAAGACAGGGTCAGATGTGTTACTGGGCTGGAGTGTGGTGGCACAATCACGCTCACT GCATCCTTGACCTCCTGNGCTCAAGTGATCTTCCACCTCAGCCTCCCAAGTAGCTGGGA CTACAGGATTTTCAAATGGCTGCAGCTCCTCAAGCACCGGGCGGGGATCTCTCCGTAA GACGAGACCTCTGGTTGTGAAGACGTCGTTGAACAACCCATACATCATCCGCTGGAGCGC TCTGGAGACGAGGATATGCACTTCATCCTACAGACGCTTGAGGACAGGCTTAAAGCTAT TGGACTTCAGNAGATTGAGGATAGNNAGAAAAGGACAAAACACCTTTTCTGAAAAAAGA AGCAGANAGAAATGCAGCATTGCTGTTGATATTAGTGAGGATCTGAAGGAGAAC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_183005
<b>Insert Size:</b>	1450 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>	<u><a href="#">NM_183005.1</a></u> , <u><a href="#">NP_892117.1</a></u>
<b>RefSeq Size:</b>	1450 bp
<b>RefSeq ORF:</b>	852 bp
<b>Locus ID:</b>	10557
<b>UniProt ID:</b>	<u><a href="#">P78345</a></u>
<b>Cytogenetics:</b>	10p13
<b>Protein Families:</b>	Druggable Genome

**Gene Summary:**

Component of ribonuclease P, a ribonucleoprotein complex that generates mature tRNA molecules by cleaving their 5'-ends (PubMed:9037013, PubMed:9630247, PubMed:10444065, PubMed:30454648). Also a component of the MRP ribonuclease complex, which cleaves pre-rRNA sequences (PubMed:28115465).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript. All variants encode the same protein.