

Product datasheet for **SC316176**

RPP38 (NM_001097590) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPP38 (NM_001097590) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPP38
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001097590, the custom clone sequence may differ by one or more nucleotides ATGGCTGCAGCTCCTCAAGCACCGGGCGGGGATCTCTCCGTAAGACGAGACCTCTGGTT GTGAAGACGTCGTTGAACAACCCATACATCATCCGCTGGAGCGCTCTGGAGAGCGAGGAT ATGCACCTTCATCCTACAGACGCTTGAGGACAGGCTTAAAGCTATTGGACTTCAGAAGATT GAAGATAAGAAGAAAAAGAACAAAACACCTTTTCTGAAAAAGAAAGCAGAGAGAAATGC AGCATTGCTGTTGATATTAGTGAGAATCTGAAGGAGAAGAAAACAGATGCTAAGCAGCAA GTGTCAGGGTGGACGCCCTGCACACGTCAGGAAGCAGCTTGCCATTGGCGTTAACGAAGTT ACCAGAGCCCTGGAAAGGAGGAACTGCTGTTAGTTCTGGTGTGTAATCAGTCAAGCCT GCCATGATCACCTCACACTTGATTCAGTTAAGCCTAAGCAGAAGTGTCCCTGCCTGTCAG GTCCCCGGCTCAGTGAGAGAATCGCCCCGTCATTGGCTTAAAATGTGTTCTAGCCTTG GCGTTCAAAAAGAACACCACTGACTTTGTGGACGAAGTAAGAGCCATCATCCCCAGAGTC CCCAGTTTAAAGTGTACCATGGCTTCAAGACAGAATTGAAGATTCTGGGAAAAATTTAGAG ACTGAACCTCTGGAAAGCCAAGACAGAGAGCTTTTGGACACTTCATTTGAAGATCTGTCA AAACCTAAGAGAAAGCTTGCTGACGGTCGGCAGGCTTCTGTAACATTACAACCCCTTAAA ATAAAGAAACTGATTCCAAACCCCTAATAAGATAAGGAAACCAACCAAAAAGTAAAAAAGCT ACTCCAAAG
Restriction Sites:	Please inquire
ACCN:	NM_001097590
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.
Components:	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).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_001097590.1](#), [NP_001091059.1](#)

RefSeq Size: 1313 bp

RefSeq ORF: 852 bp

Locus ID: 10557

UniProt ID: [P78345](#)

Cytogenetics: 10p13

Protein Families: 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 (3) differs in the 5' UTR, compared to variant 1. All variants encode the same protein.