

Product datasheet for **SC303771**

RPP38 (NM_006414) Human Untagged Clone

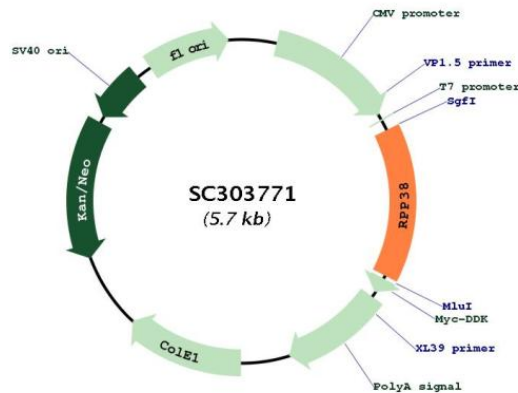
Product data:

Product Type:	Expression Plasmids
Product Name:	RPP38 (NM_006414) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPP38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303771 representing NM_006414. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGCAGCTCCTCAAGCACCGGGCGGGGATCTCTCCGTAAGACGAGACCTCTGGTTGTGAAGACG
TCGTTGAACAACCCATACATCATCCGCTGGAGCGCTCTGGAGAGCGAGGATATGCACTTCATCCTACAG
ACGCTTGAGGACAGGCTTAAAGCTATTGGACTTCAGAAGATTGAAGATAAGAAGAAAAAGAACAAAAACA
CCTTTTCTGAAAAAGAAAGCAGAGAGAAATGCAGCATTGCTGTTGATATTAGTGAGAATCTGAAGGAG
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GGCGTTAACGAAGTTACCAGAGCCCTGGAAAGGAGGGAAGTCTGTTAGTTCTGGTGTGTAATCAGTC
AAGCCTGCCATGATCACCTCACACTTGATTTCAGTTAAGCCTAAGCAGAAGTGCCCTGCCTGTCCAGGTC
CCCCGGCTCAGTGAGAGAATCGCCCCGTCATTGGCTTAAATGTGTTCTAGCCTTGGCGTTCAAAAAG
AACACCACTGACTTTGTGGACGAAGTAAGGCCATCATCCCAGAGTCCCAGTTTAAAGTGTACCATGG
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CTTTTGGACACTTCATTTGAAGATCTGTCAAACCTAAGAGAAAGCTTGCTGACGGTCGGCAGGCTTCT
GTAACATTACAACCCTTAAAAAAGAAACTGATTCAAACCCTAATAAGATAAGGAAACCACCCAAA
AGTAAAAAGCTACTCAAAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



Plasmid Map:


ACCN: NM_006414

Insert Size: 852 bp

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).

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_006414.4](#)

RefSeq Size: 1197 bp

RefSeq ORF:	852 bp
Locus ID:	10557
UniProt ID:	P78345
Cytogenetics:	10p13
Protein Families:	Druggable Genome
MW:	31.8 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. All variants encode the same protein.</p>