OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC115963

RPP40 (NM_006638) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPP40 (NM_006638) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPP40
Synonyms:	bA428J1.3; RNASEP1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC115963 sequence for NM_006638 edited (data generated by NextGen Sequencing)

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ATGGCCACGTTGCGCCGGCTTCGGGAGGCGCCGCGGCACTTACTGGTTTGCGAGAAATCC
AACTTCGGCAACCACAAGTCGCGCCACCGGCATCTTGTGCAGACGCACTACTATAACTAC
AGGGTTTCATTTCTCATTCCTGAATGTGGGATACTATCGGAAGAACTGAAAAACCTGGTC
ATGAACACTGGACCCTATTACTTTGTGAAGAATTTACCTCTTCATGAATTAATTACACCT
GAATTCATCAGTACCTTTATAAAGAAAGGTTCTTGCTATGCACTAACATACAATACACAT
ATTGATGAAGATAATACTGTTGCCCTGCTACCAAATGGGAAATTAATTTTGTCACTGGAT
AAAGACACTTATGAAGAAACTGGACTTCAGGGTCATCCATCTCAGTTTTCTGGCAGAAAA
ATTATGAAATTTATTGTTTCCATTGATTTGATGGAATTATCCTTAAACTTGGATTCTAAG
AAGTATGAAAGAATATCTTGGTCTTTCAAAGAAAAGAAGCCATTGAAATTTGATTTTCTT
TTGGCTTGGCATAAAACAGGTTCAGAAGAATCGACAATGATGTCATATTTTTCCAAGTAC
CAAATTCAGGAGCATCAGCCAAAAGTAGCACTGAGCACGTTGAGAGATCTCCAGTGCCCA
GTGCTGCAGAGCAGCGAGCTGGAGGGAACGCCAGAGGTGTCCTGCCGGGCTCTGGAGCTC
TTCGACTGGCTCGGCGCCGTCTTCAGTAATGTCGACCTAAATAATGAGCCTAATAATTTC
ATATCAACCTATTGCTGTCCTGAGCCAAGCACAGTGGTGGCAAAAGCTTATTTGTGTACA
ATCACTGGCTTCATACTTCCAGAGAAGATCTGTCTCCTATTGGAACATCTCTGTCACTAC
TTTGATGAACCGAAGTTAGCTCCATGGGTTACACTGTCCGTTCAAGGCTTTGCAGACAGC
CCTGTTTCTTGGGAAAAAAATGAACATGGTTTTCGAAAAGGAGGAGAACATTTATATAAC
TTTGTGATTTTTAATAATCAGGACTATTGGCTTCAGATGGCTGTTGGGGCAAATGATCAC
TGTCCACCATAA

Clone variation with respect to NM_006638.2
10 c=>t
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006638 unedited
GTTCGGCATTATGTAATACGACTTACTATAGNNGGCGGCCGCGCAATTCGGCACGAGGGG
GGAGGACCAGGNAACCCAGNAGAGCATGGCCACGTTGCGCCGGCTTCGGGAGGCGCCGCG
GCACTTACTGGTTTGCGAGAAATCCAACTTCGGCAACCACAAGTCGCGCCACCGGCATCT
TGTGCAGACGCACTACTATAACTACAGGGTTTCATTTCTCATTTCTGAATGTGGGATACT
ATCGGAAGAACTGAAAAACCTGGTCATGAACACTGGACCCTATTACTTTGTGAAGAATTT
ACCCTCTTCATGAATTAATTACACCTGAATTCATCAGTACCTTTATAAAGAAAGGTTCTT
GCTATGCACTAACATACAATACACATATTGATGAAGATAATACTGTTGCCCTGCTACCAA
ATGGGAAATTAATTTTGTCACTGGATAAAGACACTTATGAAGAAACTGGACTTCAGGGTC
ATCCATCTCAGTTTTCTGGCAGAAAAATTATGAAATTTATTGTTTCCATTGATTTGATGG
AATTATCCTTAAACTTGGATTCTAAGAAGTATGAAAGAATATCTTGGTCTTTCAAAGAAA
AGAAGCCATTGAAATTTGATTTTCTTTTGGCTTGGCATACAACAGGTTCAGAAGAATCGA
CAATGATGTCATATTTTTCCAAGTACCAAATTCAGGAGCATCAGCCAAAAGTAGCACTGA
GCACGTTGAGAGATCTCCAGTGCCCAGTGCTGCACAGCAGCGAGCTGCAGGCACGCCCAN
AGTGTCCTGCCCGGCTCTGCAGCTCTCCGACTGGCTCGGCGCCGTTCTCACATATGTCGA
CCTAAATATGAGCCCAATAATTTCATATCAACCTATTGCTGTTCTGAACCAACACAGTCG
TGGCAAAAGCTTATTGGTGACAATCACTGCTTTATACCTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006638 unedited
GACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTGTAAGTAAACACGAT
TTTTAATTTTTATTTTTTATGGGGGACAGTGATCATTTGCCCCAACAGCCATCTGAAGCC
AATAGTCCTGATTATTAAAAATCACAAAGTTATATAAATGTTCTCCTCCTTTTCGAAAAC
CATGTTCATTTTTTTCCCAAGAAACAGGGCTGTCTGCAAAGCCTTGAACGGACAGTGTAA
CCCATGGAGCTAACTTCGGTTCATCAAAGTAGTGACAGAGATGTTCCAATAGGAGACAGA
TCTTCTCTGGAAGTATGAAGCCAGTGATTGTACACAAATAAGCTTTTGCCACCACTGTGC
TTGGCTCAGGACAGCAATAGGTTGATATGAAATTATTAGGCTCATTATTTAGGTCGACAT
TACTGAAGACGGCGCCGAGCCAGTCGAAGAGCTCCAGAGCCCGGCAGGACACCTCTGGCG
TTCCCTCCAGCTCGCTGCTCTGCAGCACTGGGCACTGGAGATCTCTCAACGTGCTCAGTG
CTACTTTTGGCTGATGCTCCTGAATTTGGTACTTGGAAAAATATGACATCATTGTCGATT
CTTCTGAACCTGTGTTATGCCAAGCCAAAAGAAAATCAAATTTCAATGGCTTCTTTTCTT
TGAAAGACCAAGATATTCTTTCATACCTTCTTAGATCCAAGTTTAAGGATAATTCCATCA
AATCAATGGAAACATTAAATTTCATAATTTTTCTGCCGAAAACTGAAAGGATGACCCTGA
ATCCACGTTTTTATAAGGGTCTTTATCAGTGACAAATTAATTTCCCATTGGAGCAGGCAA
CCAGTTTATCTTCACCAAATGGGGATGGGATGGAAGGCTAACAAGAACCTTCTTTTAAGG
TCTG

Restriction Sites: NotI-NotI

ACCN: NM_006638

Insert Size: 1220 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).

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_006638.2, NP_006629.2
RefSeq Size:	1174 bp
RefSeq ORF:	1092 bp
Locus ID:	10799
UniProt ID:	O75818
Cytogenetics:	6p25.1
Protein Families:	Stem cell - Pluripotency
Gene Summary:	Component of ribonuclease P, a ribonucleoprotein complex that generates mature tRNA molecules by cleaving their 5'-ends (PubMed:9630247, 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 and encodes the longest isoform (a).