

## Product datasheet for **SC335321**

### RPP40 (NM\_001286133) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RPP40 (NM_001286133) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPP40
Synonyms:	bA428J1.3; RNASEP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335321 representing NM_001286133. Blue=Insert sequence Red=Cloning site Green=Tag(s)

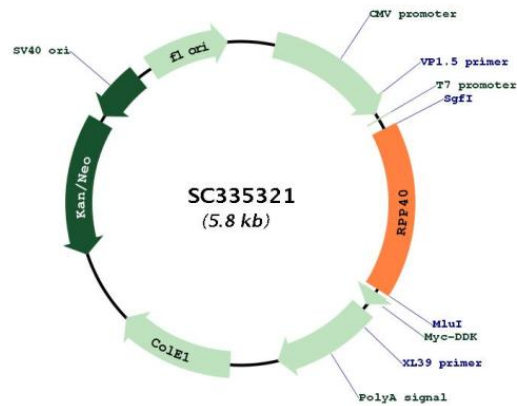
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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCACGCTGCGCCGGCTTCGGGAGGCGCCGCGCACTTACTGGTTTGCAGAGAAATCCAATTCGGC
AACCACAAGTCGCGCCACCGGCATCTTGTGCAGACGCACTACTATAACTACAGGGTTTCATTTCTCATT
CCTGAATGTGGGATACTATCGGAAGAACTGAAAAACCTGGTCATGAACACTGGACCCTATTACTTTGTG
AAGAATTTACCTTTCATGAATTAATTACACCTGAATTCATCAGTACCTTTATAAGAAAGGTTCTTGC
TATGCACTAACATACAATACACATATTGATGAAGATAAATACTGTTGCCCTGTACCAAATGGGAAATTA
ATTTTGTCACTGGATAAAGACACTTATGAAGAACTGGACTTCAGGGTCATCCATCTCAGTTTTCTGGC
AGAAAAATATGAAATTTAGTTCAGAAGAATCGACAATGATGTCATATTTTTCCAAGTACCAAATTCAG
GAGCATCAGCCAAAAGTAGCACTGAGCAGTTCAGAGATCTCCAGTGCCAGTGCTGCAGAGCAGCGAG
CTGGAGGGAACGCCAGAGGTGTCCTGCCGGGCTCTGGAGCTCTTCGACTGGCTCGGCGCCGCTTTCAGT
AATGTCGACCTAAATAATGAGCCTAATAATTTTCATATCAACCTATTGCTGTCTGAGCCAAGCACAGTG
GTGGCAAAGCTTATTTGTGTAACACTGGCTTCATACTCCAGAGAAGATCTGTCTCCTATTGGAA
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GACAGCCCTGTTTCTTGGGAAAAAATGAACATGGTTTTTCGAAAAGGAGGAGAACATTTATATACTTT
GTGATTTTTAATAATCAGGACTATTGGCTTCAGATGGCTGTTGGGGCAAATGATCACTGTCCACCAATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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## Plasmid Map:



ACCN: NM\_001286133

Insert Size: 966 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\\_001286133.1](#)

RefSeq Size: 1074 bp

RefSeq ORF: 966 bp

Locus ID: 10799

UniProt ID: [O75818](#)

Cytogenetics: 6p25.1

**Protein Families:** Stem cell - Pluripotency

**MW:** 36.8 kDa

**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 (3) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (c) that is shorter than isoform a.