

Product datasheet for **RG237427**

RPP40 (NM_001286133) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPP40 (NM_001286133) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RPP40
Synonyms:	bA428J1.3; RNASEP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237427 representing NM_001286133. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCACGCTGCGCCGGCTTCGGGAGGCGCCGGCACTTACTGGTTTGCAGAGAAATCCAATTCGGC
AACCAAGTCGCGCCACCGGCATCTTGTGCAGACGCACTACTATAACTACAGGGTTTCATTTTCATT
CCTGAATGTGGGATACTATCGGAAGAACTGAAAAACCTGGTCATGAACACTGGACCCTATTACTTTGTG
AAGAATTTACCTTTCATGAATTAATTACACCTGAATTCATCAGTACCTTTATAAAGAAAGGTTCTTGC
TATGCACTAACATACAATACACATATTGATGAAGATAAATACTGTTGCCCTGTACCAATGGGAAATTA
ATTTTGTCACTGGATAAAGACACTTATGAAGAACTGGACTTCAGGGTCATCCATCTCAGTTTTCTGGC
AGAAAAATTATGAAATTTAGTTCAGAAGAATCGACAATGATGTCATATTTTTCCAAGTACCAAAATCAG
GAGCATCAGCCAAAAGTAGCACTGAGCACGTTGAGAGATCTCCAGTGCCAGTGCTGCAGAGCAGCGAG
CTGGAGGGAACGCCAGAGGTGTCTGCCGGCTCTGGAGCTCTTCGACTGGCTCGGCGCCGTCTTCAGT
AATGTCGACCTAAATAATGAGCCTAATAATTTTCATATCAACCTATTGCTGTCTGAGCCAAGCACAGTG
GTGGCAAAGCTTATTTGTGTAACACTGGCTTCATACTCCAGAGAAGATCTGTCTCCTATTGGAA
CATCTGTCACTACTTTGATGAACCGAAGTTAGCTCCATGGGTTACACTGTCCGTTCAAGGCTTTGCA
GACAGCCCTGTTTCTTGGGAAAAAATGAACATGGTTTTCGAAAAGGAGGAGAACATTTATATAACTTT
GTGATTTTAAATAATCAGGACTATTGGCTTCAGATGGCTGTTGGGGCAAATGATCACTGTCCACCA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237427
 Blue=ORF Red=Cloning site Green=Tag(s)

MATLRRLREAPRHLLVCEKSNFGNHKSRHRHLVQTHYNYRVSFLLIPECGILSEELKNLVMNTGPYYFV
 KNLPLHELITPEFISTFIKKGSCYALTYNTHIDEDNTVALLPNGKILSLDKDYEETGLQGHPSQFSG
 RKIMKFSSEESTMMSYFSKYQIQEHQPKVALSTLRDLQCPVLQSELEGTPEVSCRALELFDWLGAVFS
 NVDLNNPEPNFISTYCCPEPSTVAKAYLCTITGFILPEKICLLLEHLCHYFDEPKLAPWVTLVSVQGFA
 DSPVSWEKNEHGFRKGGHELYNFVIFNNQDYWLQMAVGANDHCPP
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001286133

ORF Size: 963 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

RefSeq: [NM_001286133.1](#), [NP_001273062.1](#)

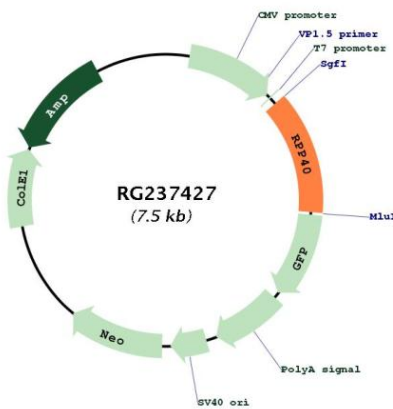
RefSeq Size: 1074 bp

RefSeq ORF: 966 bp

Locus ID: 10799
UniProt ID: [O75818](#)
Cytogenetics: 6p25.1
Protein Families: Stem cell - Pluripotency
MW: 37.2 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]

Product images:



Circular map for RG237427