

Product datasheet for **RC237427**

RPP40 (NM_001286133) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPP40 (NM_001286133) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RPP40
Synonyms:	bA428J1.3; RNASEP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237427 representing NM_001286133 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCACGCTGCGCCGGCTTCGGGAGGCGCCGGCACTTACTGGTTTGCAGAAATCCAACCTCGGCA
ACCACAAGTCGCGCCACCGCATCTTGTGCAGACGCACTACTATAACTACAGGGTTTCATTTCTCATTCC
TGAATGTGGGATACTATCGGAAGAACTGAAAACTGGTCATGAACACTGGACCCTATTACTTTGTGAAG
AATTTACCTTTCATGAATTAATTACACCTGAATTCATCAGTACCTTTATAAAGAAAGGTTCTTGCTATG
CACTAACATACAATACACATATTGATGAAGATAACTGTTGCCCTGCTACCAAATGGGAAATTAATTTT
GTCAGTGGATAAAGACACTTATGAAGAACTGGACTTCAGGGTCATCCATCTCAGTTTTCTGGCAGAAAA
ATTATGAAATTTAGTTCAGAAGAATCGACAATGATGTCATATTTTTCCAAGTACCAAATTCAGGAGCATC
AGCCAAAAGTAGCACTGAGCACGTTGAGAGATCTCCAGTGCCAGTGCTGCAGAGCAGCGAGCTGGAGGG
AACGCCAGAGGTGCTCCTGCCGGCTCTGGAGCTTTCGACTGGCTCGGCGCCGTCTTCAGTAATGTCGAC
CTAAATAATGAGCCTAATAATTTTCATATCAACCTATTGCTGTCTGAGCCAAGCACAGTGGTGGCAAAAG
CTATTTGTGTACAATCACTGGCTTCATACTCCAGAGAAGATCTGTCTCCTATTGGAACATCTCTGTCA
CTACTTTGATGAACCGAAGTTAGCTCCATGGGTTACACTGTCCGTTCAAGGCTTTGCAGACAGCCCTGTT
TCTTGGGAAAAAATGAACATGGTTTTTCGAAAAGGAGGAGAACATTTATATAACTTTGTGATTTTAAATA
ATCAGGACTATTGGCTTCAGATGGCTGTTGGGGCAATGATCACTGTCCACCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237427 representing NM_001286133
 Red=Cloning site Green=Tags(s)

MATLRRLREAPRHLLVCEKSNFGNHKSRHRHLVQTHYYNYRVSFLLIPECGILSEELKNLVMNTGPYYFVK
 NLPLHELITPEFISTFIKKGSCYALTYNTHIDEDNTVALLPNGKLILSLDKDYEETGLQGHPSQFSGRK
 IMKFSSEESTMMSYFSKYQIQEHQPKVALSTLRDLQCPVLQSSELEGTPEVSCRALELFDWLGA VFSNVD
 LNNEPNNFISTYCCPEPSTVVAKAYLCTITGFILPEKICLLLEHLCHYFDEPKLAPWVTL SVQGFADSPV
 SWEKNEHGFRKGGEHLYNFVIFNNQDYWLQMAVGANDHCPP

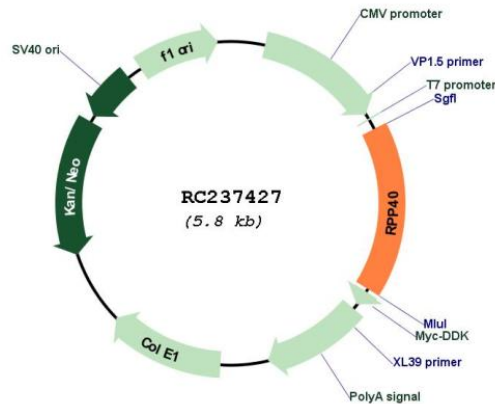
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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).
Reconstitution Method:	<ol style="list-style-type: none">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 , 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]