

Product datasheet for **RR205160**

Rpp40 (NM_001013055) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rpp40 (NM_001013055) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rpp40
Synonyms: MGC108849
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205160 representing NM_001013055
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAATGGGACCCTATTACTCTGTGAAGAAGTTACCTCTTCATGAATTAATTACACATGAATTCATCA
ACACCTTTGTAAGAAAAGTTCACTCTCTGCATTAACGTACAATACAAGTATTGATGAGGATAATACTGT
TGCTCTCTACCAAATGGGAAATTAATTTTATCACTGGATAAAGATACTTATGAAGAGACTGGACTCCAA
GGCCATCCATCTCGGTATTCTGGCAGAAAAAGTATGAGGTTTATCATTTCCATTGATCTAATGGATTAT
CCCTTAACCTGGATTCTAAGAAATACAGAAGAATATCTTGGTCCTTCAAAGAAAAGAAGCCTTTGAAGTT
TGATTTCTTTTGGCTTGGCATCATACAGGTACAGAAGAATCAACAATGATGTCATACTTTTCCAAATAC
CAAATTCGGGAGCATCAGCCAAAAGTGGCCTTGAGCACAGTAAGAGATCTGCAGTGCCAGTGCTTCAGA
GCAGCAGCCTTGAGGGGAGCCGGAGGAGGCTGCAATGCCCTGGAGTTCTTCGACTGGCTTGGTGCCGT
CTTCTGCAACGCGGACCTAAATAATGAACCTCATAATTTTCATATCAACCTACTGCTGTCCACAGCCAAAC
ACAGTGGCAGCCCAAGCTTGTCTGTGTACAATCACAGTTTCGTGTTGCCAGAGAAGACTTGTCTTC
TGGAACAGCTGTGTCACACTTTGATGAACCGAAGTTGGCTCCATGGGTACCTTGACAGTTCAAGGCTT
TGCAGACAGCCCCGTTGCATGGAGGGAGAAGAACACGGCTTCCACAAAGGAGGAGCACTTGTACAAT
TTTGTGTTTTCAATAATCAGGACTATTGGCTTCAGATGGCTGTTGGAGCAAATGATGACTGCCACCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205160 representing NM_001013055
 Red=Cloning site Green=Tags(s)

MEMGPYYSVKKLPLHELITHEFINTFVKKGSLSALTYNTSIDEDNTVALLPNGKLIILSLDKDTEETGLQ
 GHPSRYSGRKSMRFIISIDLMDLSLNLDSKKYRRISSWFKKPLKFDLLAWHHTGTEESTMMSYFSKY
 QIREHQPKVALSTVRDLQCPVLQSSSLAGEPEEACNALEFFDWLGAVFCNADLNNEPHNFISTYCCPQPN
 TVAAQAACLTITGFVLEPEKILVLEQLCHYFDEPKLAPWVTLTVQGFADSPVAWREKEHGFKGGEHLYN
 FVVFNQDYWLQMAVGANDDCPP

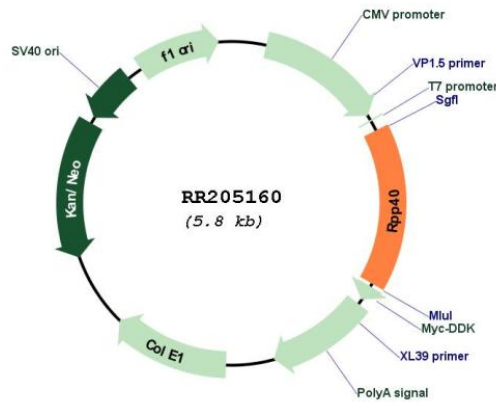
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001013055

ORF Size: 909 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_001013055.1 , NP_001013073.1
RefSeq Size:	1203 bp
RefSeq ORF:	912 bp
Locus ID:	291071
UniProt ID:	Q5BK64
Cytogenetics:	17p12
MW:	34.6 kDa
Gene Summary:	Component of ribonuclease P, a ribonucleoprotein complex that generates mature tRNA molecules by cleaving their 5'-ends. Also a component of the MRP ribonuclease complex, which cleaves pre-rRNA sequences.[UniProtKB/Swiss-Prot Function]