

Product datasheet for RC219197

RPP30 (NM_001104546) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPP30 (NM_001104546) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RPP30
Synonyms:	TSG15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219197 representing NM_001104546 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTGTTTGCAGATTTGGACCTGCGAGCGGGTTCTGACCTGAAGGCTCTGCGCGGACTTGTGGAGA
CAGCCGCTCACCTTGGCTATTCACTTGTGCTATCAATCATATCGTTGACTTTAAGGAAAAGAAACAGGA
AATTGAAAACCAGTAGCTGTTTCTGAACCTTCCAACTTTGCCAATTGTACAGGGAAAATCAAGACCA
ATTAATAATTTAACTAGATTAACAATTATTGTCTCGGATCCATCTCACTGCAATGTTTTGAGAGCAACTT
CTTCAAGGCCCCGCTCTATGATGTTGTGCGATTTTTCCAAAGACAGAAAAGCTTTTTTCATATTGCTTG
CACACATTTAGATGTGGATTTAGTCTGCATAACTGTAACAGAGAACTACCATTTTACTTCAAAAGACCT
CCTATTAATGTGGCGATTGACCGAGGCCTGGCTTTTGAACCTGTCTATAGCCCTGCTATCAAGACTCCA
CAATGAGAAGGTATACAATTTCCAGTGCCTCAATTTGATGCAAACTGCAAAGGAAAGAATGTAATTAT
ATCTAGTGCTGCAGAAAGCCTTTAGAAAATAAGAGGGCCATATGACGTGGCAAATCTAGGCTTGCTGTT
GGGCTCTCTGAAAGTGACGCCAAGGCTGCGGTGTCCCAACTGCCGAGCAGCGCTTCTCCATGGAGAAA
CTAGAAAACTGCTTTTGAATTATCTCTACAGTGAAGAACTCGGCCATCAGAAGGAGATGAAGATTG
TCTTCCAGCTTCCAAGAAAGCCAAGTGGTCTCACTCTGTACCCAGGCTGGAGTGCAGTGGCACAATCTC
GGCTCACTGCAACCTTTGCCTCTTGGGCTCAAGCCATCCTCCACCTCAGCCTCCAAGAAGACTAGAATTC
AACAAAGACAACTTTTGATCTCTCATCAGAGAGATCATACTCCCAAGAACAGGCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC219197 representing NM_001104546
Red=Cloning site Green=Tags(s)

MAVFADLDLRAGSDLKALRGLVETAHLGYSVVAINHIVDFKEKKQEIEKPVAVSELFTTLPIVQKSRP
 IKILTRLTIIVSDPSHCNVLRTSSRARLYDVVAVFPKTEKLFHIACTHLDVDLVCITVTEKLPFYFKRP
 PINVAIDRGLAFELVYSPAIKDSTMRRYTISSALNMQICKGKNVVISSAAERPLEIRGPYDVANLGLLF
 GLSEDAKAAVSTNCRAALLHGETRKTAFGIISTVKKPRPSEGDEDCLPASKKAKWSHSVQAGVQWHNL
 GSLQPLPLGLKPSSHLSLPRTRIQRQLLIHQRDHTPKNRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8052_b02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001104546

ORF Size: 966 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:

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_001104546.2](#)

RefSeq Size: 4272 bp

RefSeq ORF: 969 bp

Locus ID: 10556

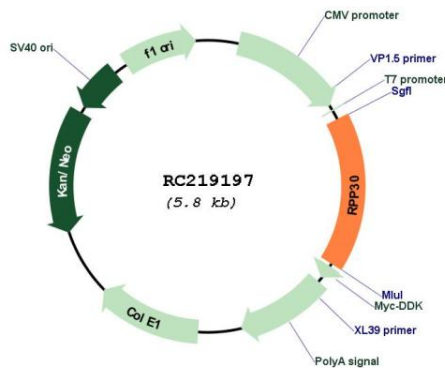
UniProt ID: [P78346](#)

Cytogenetics: 10q23.31

MW: 35.4 kDa

Gene Summary: Component of ribonuclease P, a ribonucleoprotein complex that generates mature tRNA molecules by cleaving their 5'-ends (PubMed:9037013, 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 RC219197