

## Product datasheet for MR203560

### Rpp30 (NM\_019428) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rpp30 (NM_019428) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rpp30
Synonyms:	Rnasep2; TSG15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203560 representing NM_019428 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCGTTTCGCAGATTTGGATTTAAGAGCGGGCTCAGACCTGAAGGCTCTGCGCGGACTCGTGGAGA  
CTGCTGCTCACCTGGGATACTCAGTTGTTGCCATCAATCACATTGTTGACTTTAAGGAAAAGAAACGGGA  
AATTGAAAAGCCAATAGCAGTTTCTGAACCTTTCACAACCTTACCATCGTACAGGGAAAATCAAGACCA  
ATTAATAATTTAACTAGATTGACAATTATAGTTACAGATCCAGCTCACTGTAATGTTTTGAGAGCAACTT  
CGTCAAGGGTCCGGCTGTATGATATTGTTGCAGTCTTCCAAAGACAGAAAAGCTTTTCCATGTTGCTTG  
TACACATTTAGATGTGGATTTAGTCTGTATAACTGTAACAGAGAAATTACCATTTACTTCAAAGACCC  
CCTGTTAATGTGGCAATTGAGCGAGGCCTGGGCTTGAACCTGTCTATGGTCTGTATCAGAGATGCAA  
CGATGAGAAGGTACACAATCTCCAATGCCCTCAATTTGATGCAGATCTGCAAAGGAAAGAATGTAATTCT  
GTCCAGTGCTGCAGAAAGGCCTTTGAAAATAAGAGGACCATATGACGTGGCAAACCTAGGACTGCTGTTT  
GGGCTTCTGAAAATGATGGCAAGGCTGCCGTGCCACAAATTGCAGAGCTGATTTCTCCATGGAGAAA  
CTAGAAAACTGCTTTTGAATTATTTCTACAGTGAAGAAACCACGGCCATCAGAAGCAGATGATGAATC  
TCTTCCAGTGTGCAAGAAAAGCTAAATGTGAGGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203560 representing NM\_019428  
 Red=Cloning site Green=Tags(s)

MAAFADLDLRAGSDLKALRGLVETAAHLGYSVVAINHIVDFKEKKREIEKPIAVSELFTTLPIVQGKSRP  
 IKILTRLTIIVTDPAHNCNVLRTSSRVRLYDIVAVFPKTEKLFHVACTHLDVDLVCITVTEKLPFYFKRP  
 PVNVAIERGLGFELVYGPAIRDATMRRYTISNALNLMQICKGKNVILSSAAERPLEIRGPYDVANLGLLF  
 GLSENDGKAAVSTNCRAVFLHGETRKTAFGIISTVKKPRPSEADDESPLVCKKAKCEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9059\\_a09.zip](https://cdn.origene.com/chromatograms/mm9059_a09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_019428

**ORF Size:** 804 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\\_019428.3](#), [NP\\_062301.3](#)

**RefSeq Size:** 1172 bp

**RefSeq ORF:** 807 bp

**Locus ID:** 54364

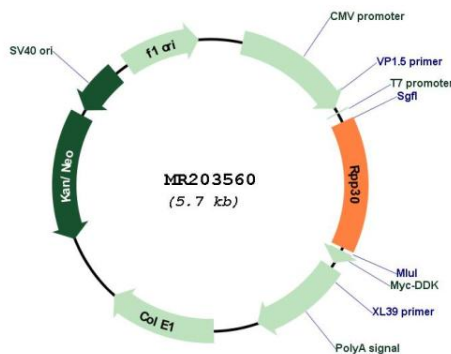
**UniProt ID:** [O88796](#)

**Cytogenetics:** 19 C2

**MW:** 29.5 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]

**Product images:**



Circular map for MR203560