

Product datasheet for **RG202686**

RPP30 (NM_006413) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPP30 (NM_006413) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RPP30
Synonyms:	TSG15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202686 representing NM_006413 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTGTTTGCAGATTTGGACCTGCGAGCGGGTTCTGACCTGAAGGCTCTGCGCGGACTTGTGGAGA
CAGCCGCTCACCTTGGCTATTCACTGTTGTGCTATCAATCATATCGTTGACTTTAAGGAAAAGAAACAGGA
AATTGAAAACCAGTAGCTGTTTCTGAACCTTTCACAACCTTGCCAATTGTACAGGGAATCAAGACCA
ATTAATAATTTAACTAGATTAACAATTATTGTCTCGGATCCATCTCACTGCAATGTTTTGAGAGCAACTT
CTTCAAGGGCCCGCTCTATGATGTTGTTGCAGTTTTTCAAAGACAGAAAAGCTTTTTCATATTGCTTG
CACACATTTAGATGTGGATTTAGTCTGCATAACTGTAACAGAGAACTACCATTTTACTTCAAAAGACCT
CCTATTAATGTGGCGATTGACCGAGGCCTGGCTTTTGAACCTGTCTATAGCCCTGCTATCAAGACTCCA
CAATGAGAAGGTATACAATTTCCAGTGCCCTCAATTTGATGCAAACTGCAAAAGGAAAGAATGTAATTAT
ATCTAGTGCTGCAGAAAGGCCTTTAGAAATAAGAGGGCCATATGACGTGGCAATCTAGGCTTGCTGTTT
GGGCTCTCTGAAAGTGACGCCAAGGCTGCGGTGTCCCAACTGCCGAGCAGCGCTTCTCCATGGAGAAA
CTAGAAAACTGCTTTTGAATTATCTCTACAGTGAAGAACTCGGCCATCAGAAGGAGATGAAGATTG
TCTTCCAGCTTCCAAGAAAGCCAAGTGTGAGGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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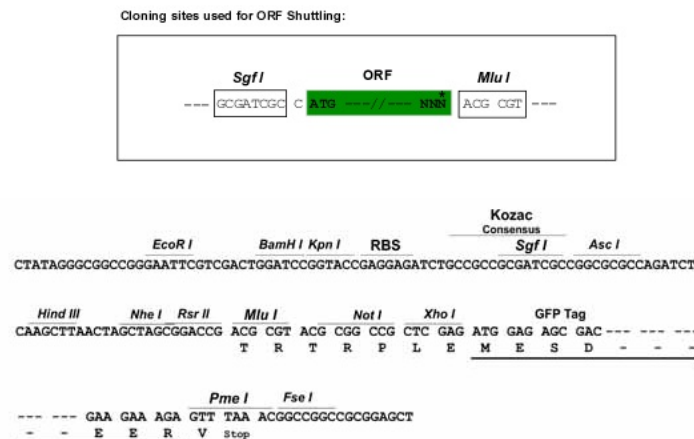
Protein Sequence: >RG202686 representing NM_006413
 Red=Cloning site Green=Tags(s)

MAVFADLDLRAGSDLKALRGLVETAAHLGYSVVAINHIVDFKEKKQEIEKPVAVSELFTTLPIVQGKSRP
 IKILTRLTIIVSDPSHCNVLRTSSRARLYDVVAVFPKTEKLFHIACTHLDVDLVCITVTEKLPFYFKRP
 PINVAIDRGLAFELVYSPAIKDSTMRRYTSSALNLMQICKGNVISSAAERPLEIRGPYDVANLGLLF
 GLSESDAKAAVSTNCRAALLHGETRKTAFGIISTVKKPRPSEGDEDCLPASKKAKCEG

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006413

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_006413.5](#)

RefSeq Size: 2643 bp

RefSeq ORF: 807 bp

Locus ID: 10556

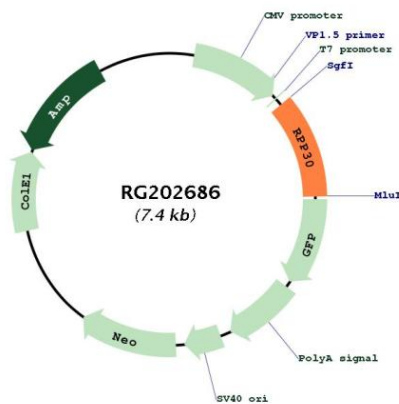
UniProt ID: [P78346](#)

Cytogenetics: 10q23.31

Domains: RNase_P_p30

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 RG202686