

Product datasheet for **MR202016**

Rpp25 (NM_133982) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Rpp25
Synonyms:	A1851155
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR202016 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAACTTCCGTAAGGTGCGCTCGGAGGAGGCGCCGGCGGGGACGGTGATGAGGGTGGCAGCCGA
ACTCTGGCCCTTTTGCAGATCTGGCACCCGGTGTGTACACATGCGGGTCAAGGAGGGCAGCAAGATCCG
CAACCTACTGGCCTTCCGACCCGCCAGCATGGCGCAGCCAGCCACGCGCCATCGTCTTCAGTGGCTGC
GGCCGGGCCACCAAGACCGTCACGTGCGCCGAGATTCTCAAGCGCCGCTGGCGGGCTTACACCAGG
TCACGCGGCTGCGCTACCGGAGCGTGCGCGAGGTGTGGCAGAGCCTCCCGCCTGGGCCACACCGGGTCA
GACGCCAGCGATCCGGCCGCGAGTCTCAGTGTACTTAAGAATGTACCGAGCCTCGCCATCCTACTTTCA
AAGGACGCACTGGATCCACGACAACTTGGTACCAGCCTCCGAACCTCAGTCTGGTCTTCGTCCCTC
CTACGGTGTGACGTCCAAGAGGAGCCTGGGGGAATCTGCTGCTGAAGAAGGCACCGCTAAGCGGTCTCA
GCCTGAGCCAGAGGCTGAGAATGAGGACAGGACCGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202016 protein sequence
Red=Cloning site Green=Tags(s)

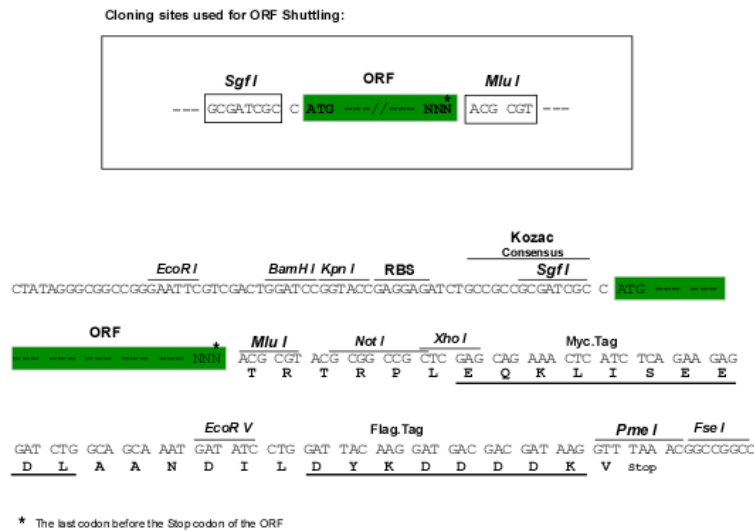
MENFRKVRSEEAPAGDGEGLSPNSGPFADLAPGAVHMRVKEGSKIRNLLAFATASMAQPATRAIVFSGC
GRATTKTVTCAEILKRRLAGLHQVTRLRYRSVREVWQSLPPGPTPGQTPSDPAASLSVLKNVPSLAILLS
KDALDPRQLGYQPPNLSPPGSSPTVSTSKRSLGESAAEEGTAKRSQPEPEAENEDRTA

TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV**



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133982

ORF Size: 597 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_133982.1, NP_598743.1

RefSeq Size: 1361 bp

RefSeq ORF: 600 bp

Locus ID: 102614

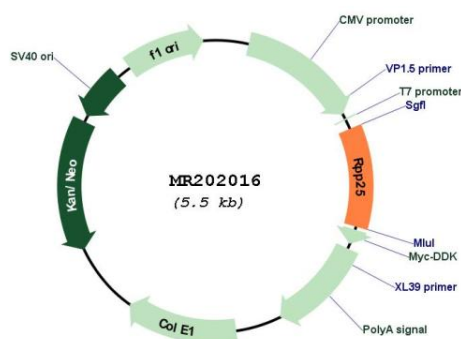
UniProt ID: Q9IWE3

Cytogenetics: 9 B

MW: 21 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 MR202016