

Product datasheet for MR206317

Rpl3 (NM_013762) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rpl3 (NM_013762) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rpl3
Synonyms:	F2; J1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206317 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTCACAGGAAATTCTCAGCTCCCAGGCATGGGTCTTGGGCTTCTGCCTCGAAAGCGCAGCAGCC
GGCATCGTGGGAAAGTGAAGAGCTTCCCTAAGGATGACGCTTCCAAGCCCGTTCACCTCACAGCCTTTCT
GGGTTACAAGGCTGGCATGACCCACATCGTCCGGGAAGTTGACAGGCCAGGATCTAAGGTGAACAAGAAA
GAAGTCGTGGAGGCTGTGACCATTGTGAAACTCCCCAATGGTGGTGTGGGCATTGTGGGATATGTTG
AGACCCACAGAGGCTCCGGACCTCAAGACTGTATTTGCTGAGCACATCAGCGATGAGTGTAAAAGGCG
CTTCTATAAAGAACTGGCACAAGTCTAAGAAGAAGGCTTTCACCAAGTACTGTAAGAAATGGCAGGATGAC
ACAGGCAAGAAGCAGCTGGAGAAGGACTTCAACAGCATGAAGAAGTACTGCCAGGTCATCCGCATCATTG
CCCACACTCAGATGCGTCTGCTTCTCTACGCCAGAAGAAGGCACACTTGATGGAGATCCAGGTGAATGG
AGGCACTGTGGCTGAGAAGCTCGACTGGGCCGAGAGCGGCTGGAGCAGCAGGTTCTGTGAACCAGGTG
TTTGGCAGGATGAGATGATTGATGTCATTGGCGTGACAAAAGGCAAAGGGTACAAAGGGGTAACCAGTC
GTTGGCATACAAAGAACTGCCCGAAAGACCCATCGAGGTTTTCGCAAAGTTGCCTGTATTGGAGCCTG
GCACCTGCCCGTGTGCTTTCTCTGTGGCTCGAGCTGGGCAGAAAGGCTACCATCACCGAACAGAGATT
AACAAGAAGATTTACAAGATTGGTCAAGGCTACCTCATCAAGGATGGCAAAGTCAAGAACAATGCAT
CTACTGACTATGACTTGTCTGACAAGAGCATCAACCCACTGGGTGGCTTTGTGCATTATGGTGAGGTGAC
CAATGACTTCATCATGCTCAAAGGCTGTGTGGTGGGGACCAAGAAGCGAGTACTTACTCTTCGTAAGTCC
TTGCTGGTTCAGACCAAACGTCGGGCCCTGGAGAAGATTGACCTGAAGTTCATTGACACCACCTCCAAAT
TTGGCCATGGTCGCTTCCAGACCATGGAGGAGAAGAAAGCATTTATGGGACCACTCAAGAAAGATCGCAT
TGCCAAGGAGGAAGGAGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206317 protein sequence
 Red=Cloning site Green=Tags(s)

MSHRKFSAPRHGSLGFLPRKRSSRHRGKVKVSFPKDDASKPVHLTAF LGYKAGMTHIVREVDRPGSKVNKK
 EVVEAVTIVETPPMVVVGIVGYVETPRGLRTFKTVFAEHISDECKRRFYKNWHKSKKKAF TKYCKKWQDD
 TGKKQLEKDFNSMKKYCQVIRIIAHTQMRLLPLRQKKAHLEIQVNGGTVAEKLDWARERLEQQVPVNQV
 FGQDEMIDVIGVTKGKGYKGVTSRWHTKKLPRKTHRGLRKVACIGAWHPARVAFSVARAGQKGYHHRTEI
 NKKIYKIQGYLIKDGKLIKNNASTDYDLSDKSINPLGGFVHYGEVTNDFIMLKGCVVGTKKRVLTLRKS
 LLVQTKRRALEKIDLKFIDTTSKFGHGRFQTMEEKKAFMGPLKKDRIAKEEGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_013762

ORF Size: 1212 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_013762.1](#), [NM_013762.2](#), [NP_038790.2](#)

RefSeq Size: 1361 bp

RefSeq ORF: 1212 bp

Locus ID: 27367

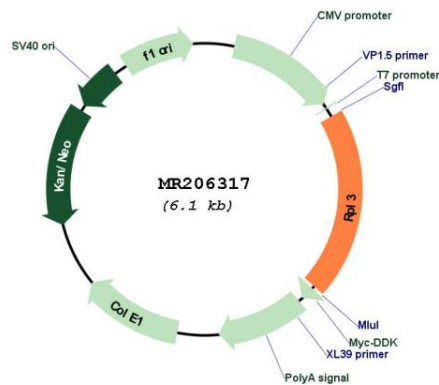
UniProt ID: [P27659](#)

Cytogenetics: 15 E1

MW: 46.1 kDa

Gene Summary: The L3 protein is a component of the large subunit of cytoplasmic ribosomes. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206317