

Product datasheet for MR206633

Rpl4 (NM_024212) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rpl4 (NM_024212) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rpl4
Synonyms: 2010004J23Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR206633 representing NM_024212
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTGTGCCGTCCCCTCATATCGGTGTAAGGAGAGTCACTGGCAAGAATGTCACTT
 TGCCAGCTGTGTTCAAAGCTCCCATTCGACCAGATATTGTGAACCTCGTTCACACCAACTGAGGAAAA
 CAACAGACAGCCCTATGCCGTGAGTGAATTGGCAGGTATCAGACCAGTGTGAGTCTTGGGGTACTGGC
 AGAGCTGTGGCTCGAATCCAAGAGTTCGAGGTGGTGGGACCCACCGATCTGGCCAGGGTGCCTTTGGAA
 ATATGTGTCGTGGGGACGCATGTTGCACCAACCAAACTGGCGTCGTTGGCACCGCAGAGTGAATAC
 AACCCAAAACGATATGCCATCTGTTCTGCCCTGGCTGCCTCGGCCTTACCAGCTTTGGTGTGCTAAA
 GGTTCATCGTATTGAGGAGTTCCTGAGCTGCCGCTGGTGGTTGAAGATAAGGTTGAAGTTACAAGAAGA
 CCAAGGAGGCTGTTCAAGCTGCTCAAGAACTCAAAGCTTGAATGACATCAAAAAGGTTCTATGCCTCTCA
 GAGAATGAGAGCTGGCAAGGGCAAAATGAGAAACCGACGGCGGATCCAGCGCAGGGGGCCCTGCATCATC
 TATAATGAAGATAATGGTATCATCAAGGCCTCCGCAACATCCCTGGTATTACTCTGCTTAATGTAAGCA
 AGCTGAACATTTGAACTGGCTCCTGGTGGCATGTGGGCCGTTTCTGCATCTGGACGGAGAGTGTCTT
 CCGGAAGTTGGATGAGCTGTATGGCACTTGGCGGAAGGCTGCTCCCTCAAGAGTAACTATAACCTGCC
 ATGCACAAGATGATGAACACCGACCTTAGCAGAATCTTGAAGAGCCAGAAATCCAAAGAGCCCTCCGAG
 CACCACGCAAGAAGATTCATCGCAGAGTCTTGAAGAAGAATCCACTGAAGAACCTGAGAATCATGTTGAA
 GCTGAACCTTACGCCAAGACTATGCGCAGGAATACCATTCTTCGCCAGGCCAGAAATCACAAACTTCGT
 GTGAAAAAGCTGGAAGCAGCAGCTACTGCACTGGCAACCAATCCGAGAAGGTTGTTCCAGAGAAGGGGA
 CTGCAGACAAGAAGCCAGCGGTAGGCAAGAAAGGAAAGGTTGGATGCCAAGAAGCAGAAGCCTGCAGG
 GAAAAAGTGGTTGCCAAGAAACCAGCAGAGAAGAAGCCTACTACAGAAGAAAAGAAGCCAGCTGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206633 representing NM_024212
Red=Cloning site Green=Tags(s)

MACARPLISVYSEKGESSGKNVTLPAVFKAPIRPDIVNFVHTNLRKNNRQPYAVSELAGHQ TSAESWGTG
RAVARIPRVRRGGGTHRSQGAFGNMCRGGRMFAPTKTWRRWRRVNTTQKRYAICSALAASALPALVMSK
GHRIEEVPELPLVVEDKVEGYKKTKEAVQLLKKLKAWNDIKKVYASQRM RAGKGMNRNRRRIQRRGPCI I
YNEDNGI IKAFRNIPGITLLNVSKLNILKLAPGGHVGRFCIWTESAFRKLDEL YGTWRKAASLKSNNYLP
MHKMMNTDLSRILKSPEIQRALRAPRKKIHRRVLKKNPLKNLRIMLKLNPYAKTMRRNTILRQARNHKLR
VKKLEAAATALATKSEKVVPEKGTADKKPAVGKKGKKVDAKKQKPAKGVVAKKPAEKKPTTEEKPPAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9045_b11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024212

ORF Size: 1257 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_024212.4](#), [NP_077174.1](#)

RefSeq Size: 1422 bp

RefSeq ORF: 1260 bp

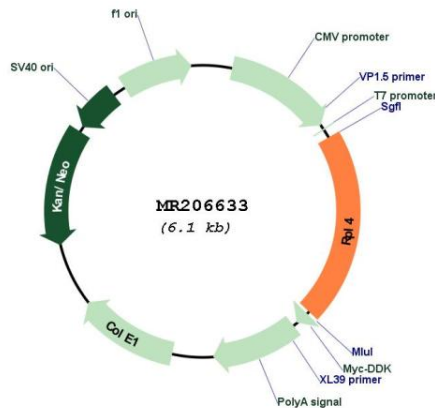
Locus ID: 67891

UniProt ID: [Q9D8E6](#)

Cytogenetics: 9 C

MW: 47.6 kDa

Product images:



Circular map for MR206633