

Product datasheet for MR201683

Mrpl4 (NM_023167) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mrpl4 (NM_023167) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mrpl4
Synonyms:	1110017G11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR201683 representing NM_023167 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCGTTGTTCCAGGCCGCTTCCCGGCCTCGTTCGACTCTCTGGCTCCCGGTCATCCACTCTC
TAGCGGAAGGCGCGAGCGGCCGCGAGATTTAGAGCCGCGAGATAGCGCTGGTCTCCTAGATCCTGT
TTTGCGCAAGTGTGAGCTCCGGATCCCAGTGCACCGCGTCCGGTCAAGCCTGGTTCGAGTCTCTCCGA
GGCTTTGAGCAGGAGCGCATCGGCTGGCGGAGCTGCACCCGACGTGTTGCAACGGCGCCTCGGCTGG
ACATTGTGCACCAAGTCCCATCTGGCAGAGAACTTCAGGAGAATCAGCTATGCTAACACCAAGACCAG
GGCTGAGGTGAGTGGTGGCCGCAAGCCTGGCAACAGAAAGGCAAGTGGCCGTCTCGGCATGGCAGC
ATCCGTTCTCCCTTATGGCGAGGAGGAGGTGTAGCCATGGTCCCGGGTCTACAAGTTACTACTACA
TGTTGCCCATGAAAGTGCGGCACTGGGCCTCAAGGTGGCCTTGACTGTCAAGCTCATGCAGGATGATCT
ACACATTGTGGATTCCCTGGAGCTACCCACGGCAGACCCCAAGTACCTGCAGAGTTGGCCAGTACCGC
CACTGGGGGAGTCCGTGCTCCTGTAGACTTAACACATGAAGAGATGCCAAGAATGTCGTGGCAGCCA
CTTCAGGGCTCAACAGTTCAACCTGATCCCCGAGTTGGCCTGAATGTGTACAGCATGCTCAAGCACCA
GACTCTGGTCTCACCTGCCTCCGTGCCTTCTGGAGGACAAGCTACTCTGGCAGGACTCAAGATAC
ACTCCGCTTACCCCTCCGCTTGCCTACAGTGACTTCCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR201683 representing NM_023167
Red=Cloning site Green=Tags(s)

MLRLFQAASRASLRLSGSRVIHSLAEGAERP AEISEPRDSAGLLDPVLRKCELRI PVHRRPVQAWVESLR
 GFEQERIGLAELHPDVFATAPRLDIVHQVAIWQRNFRRI SYANTKTRAEVSGGGRKPWQKGSGRARHGS
 IRSPLWRGGGVAHGPRGPTSYYYMLPMKVRALGLKVALTVKLMQDDLHI VDSLELPTADPQYLTELAQYR
 HWGSSVLLVDLTHEEMPKNVVAATSGLNSFNLI PAVGLNVYSMLKHQTLVLTLPVSAFLEDKLLWQDSRY
 TPLYPFRLPYSDFP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9059_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_023167

ORF Size: 882 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_023167.2](#), [NP_075656.2](#)

RefSeq Size: 1312 bp

RefSeq ORF: 885 bp

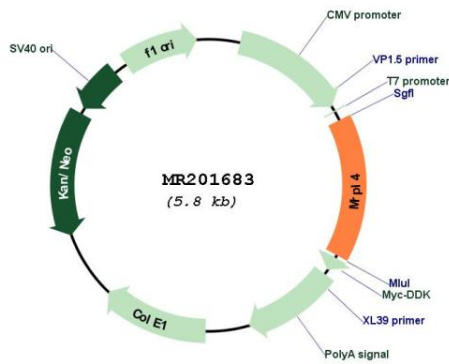
Locus ID: 66163

UniProt ID: [Q9DCU6](#)

Cytogenetics: 9 A3

MW: 33.1 kDa

Product images:



Circular map for MR201683