

Product datasheet for **RR209802**

Mrpl4 (NM_001108754) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrpl4 (NM_001108754) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mrpl4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209802 representing NM_001108754
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCGGTTGTTCCAGGCCGCTTCCCGGCCTGGCTTCGACCCAATGGCTCCCGGTCATCAGCTCTC
TAGCAGAAGACGCGGTGCGGCCAGCCGAGATTTAGAGCCGGGAGATAGCGCAGGTCTCCTAGACCCTGT
ATTGCGCAAGTGTGAGCTTCCGATACCGCGCCCCGGCGCCGGTCAAGCCTGGTTCGAGTCTCTCCGA
GGCTTTGAGCAGGAGCGCATCGGCCTGGCGGAGTTGCACCCCGACGTGTTTGAACGACGCCCGGCTGG
ACATTCTGCACCAGTTGCCGTGTGGCAGAGAACTTCAAGAGAATCAGCTATGCTAAGACCAAGACCAG
GGCGGAGGTGAGTGGTGGTGGCCGAAGCCCTGGCAGCAGAAAGGCAGTGGCCGTGCCCGGCACGGCAGC
ATCCGCTCTCCCATATGGCGGGGAGGAGGTGTAGCCCATGGTCCCGGGGCCCTACAAGTTACTACTACA
TGTTGCCCATGAAAGTGCGGCACTGGGCCTCAAGGTGGCCTTGACTGTGAAGCTGATGCAGGATGATCT
ACACATTGTGGATTCCCTGGAGTACCCACCGCAGACCCCAAGTACCTGACAGAGTTGGCCAGTACCGC
CACTGGGGGAGTCCGTGCTCCTTGTAGACTTAACACATGAAGAGATGCCAAGAATGTCATGGCAGCCA
CCTCCAGGCTCAACAGTTCAACCTGATCCCTGCAGTTGGCCTGAATGTGTACAGCATGCTCAAACACCA
GACTCTGGTCTCACCTGCCTTCCGTGCCTTCTGGAGGACAAGCTACTCTGGCAAGATTCAAGATAC
ACACCACTCTACCCCTTCGCTTGCCTACAGTGACTTCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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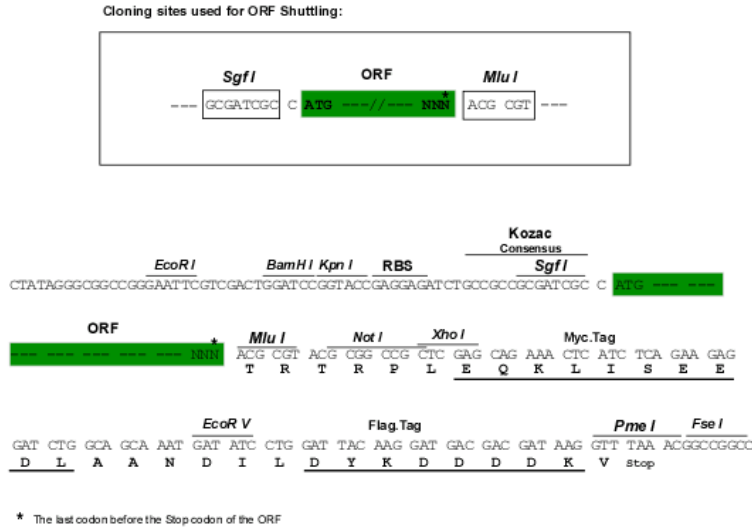
Protein Sequence: >RR209802 representing NM_001108754
 Red=Cloning site Green=Tags(s)

MLRLFQAASRAWLRPNRSRVISSLAEDAVRPAEISEPGDSAGLLDPVLRKCELPAPRRPVQAWVESLR
 GFEQERIGLAELHPDVFATTPRLDILHQVAVWQRNFKRISYAKTKTRAEVSGGGRKPWQQKGSGRARHGS
 IRSPIWRGGGVAHGPRGPTSYYYMLPMKVRLGLKVALTVKLMQDDLHI VDSLELPTADPQYL TELAQYR
 HWGSSVLLVDLTHEEMPKNVMAATSRLNSFNLI PAVGLNVYSMLKHQTLVLTLPVSAFL EDKLLWQDSRY
 TPLYPFRLPYSDFP

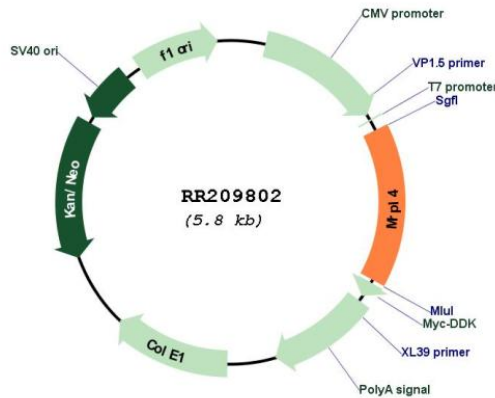
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108754

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:	<ol style="list-style-type: none">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_001108754.1 , NP_001102224.1
RefSeq Size:	1570 bp
RefSeq ORF:	885 bp
Locus ID:	363023
Cytogenetics:	8q13
MW:	33.1 kDa