

Product datasheet for **RR210455**

Mrpl37 (NM_001004235) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mrpl37 (NM_001004235) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mrpl37
Synonyms:	Rpml2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR210455 representing NM_001004235
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTTGGCGTCCGGGCCGCTATGCGGGCACTCGCTGGCTCTGCGAGGCTCGGCCTCGGGGGCTACG
 GGGCCCCGAAACGCGGAGCGTATGAGTGGGGTGTGCGCTCCACTCGGAAACCGGAGCCTCGCCCCCTGGA
 CAGGGTGTACGAGATCCCTGGCCTGGAACCCATTACCTACGAGGGCAAGAAGCACTTCGTCCCGTGGCTG
 GCGAAGCCGATCTTCCCGCGTGGGAGCGCGGTGGATTGACCCACGGTTCACCGTGCGGCCCCCATCC
 ACGAGCAGCCTCTGTACAAGGAGCAACCCTGCTACATCTTCCACCAGCGTTGTCGACTCCTTGAGGGTAT
 GAAGCAGGCTCTCTGGCTTACTAAGACCAAGTTAATAGAGGGTCTCCCAAGAAAGTGCTTAGTCTTGTT
 GATGATCCAACCAATCACATCGAGAACCAAGAACAACGTGTTCTGGATATCATCTCTATTCCCGGCTCT
 GGCCTCCACTGAGGACATCCCAAGAGAGAGACTTACTGCCCGCTCATTGTGGACAACCTCTACAGCT
 GTGTAAGTCCCAGATTATCAAGCACCTTCTCTAGCCAGGCGGACCTCTGCCAAAAGTCTCTTACGCC
 ACCACCTGGAATCGAGAGTCTCTTCTCCTTCAGGTCCGAGGTACGAGTAGTACCATGCTGAGTGCCAAGG
 ATCCCCCTGCCCCCATTGCCTCCAGAGAGGAGGTTGAAGTACCAGAAGTCATGTTCTCGAAACCTTCTA
 TCCCATATCTCCTACCATCGATCTTCAGGAGTGCCATGTCTATGAAGTGAAGAAGACACAGGATTCGCG
 GAGGGCTATCCTTATCCCCATCCCCACACCTTGTATATCCTGGAAAAAGCCAATTACGGCCACAGCGCT
 TTCTTCCAGAACAGCTAAGGGCTAAGATGCTCCTGTTTGCCTTCGCAATGCCCTGGCTCAGGCCAGGCT
 CCTCTATGGGAACACAGCCAGAGTCTTGGAGCAGCCATAGTCGTGCAGAGCGTGGGCACCGATGGCCGT
 GTCTTCCAGTTTCTGGTGTTCAGTTGAACACCACAGATCTGACATCTAGTGAGGGCGTCAAGAATTTGG
 TATGGACAGACTCAGACCAGCTCCTTTACCAGCACTTCTGGTGTGCGCCAGTCATCAAAAAAAGGTGGT
 GGTGGAACCTGTTGGGCCTGTTGATTTCAGCCAGAGACCTTCAAGAAGTTCTTAGCTCTGTACTTGCAT
 GTGCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210455 representing NM_001004235
 Red=Cloning site Green=Tags(s)

MALASGPAMRALAGSARLGLGGYGAPKRGAYEWGVRSTRKPEPRPLDRVYEIPGLEPITYEGKKHFVPWL
 AKPIFFPWERGWIIDPRFHRAAPIHEQPLYKEQPCYIFHQRCRLLEGMKQALWLTCKLIEGLPKKVL
 DDPTNHIENQEQVLDIISHSRLWHSTEDIPKRETYCPLIVDNLQLCKSQIHKHPSLARRTSAQNCSLA
 TTWNRESLLLQVRGTSSTMLSADPLPIASREEVEATRSHVLETFYPISTIDLQECHVVEVKEDTGFR
 EGYPPHPHTLYILEKANLRPQRFLEQLRAKMLLFAFANALAQARLLYGNTARVLEQPIVVQSVGTDGR
 VFQFLVLQLNTTDLTSSEGVKNLVWTDSDQLLYQHFWCRPVIKKKVVVEPVGPVDFQPETFKKFLALYLH
 GAV

TRTRPLE**QKLISEEDLA**AND**ILDYKDDDDKV**

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001004235

ORF Size: 1269 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_001004235.1](#), [NP_001004235.1](#)

RefSeq Size: 1478 bp

RefSeq ORF: 1272 bp

Locus ID: 56281

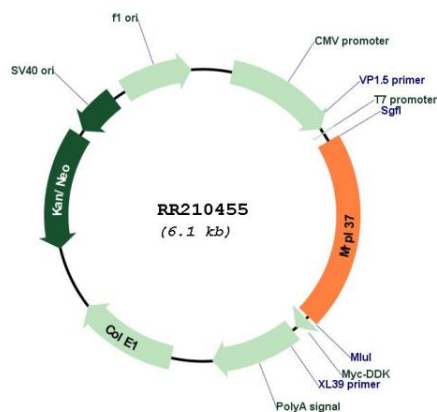
UniProt ID: [Q6AXT0](#)

Cytogenetics: 5q34

MW: 48.4 kDa

Gene Summary: mitochondrial ribosomal protein [RGD, Feb 2006]

Product images:



Circular map for RR210455