

Product datasheet for **RR211636**

Rps5 (NM_001105722) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rps5 (NM_001105722) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rps5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR211636 representing NM_001105722
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTGAATGGGAAACAGCCACACCCGCGGTGGCAGAGACCCCGGACATCAAGCTCTTTGGGAAATGGA
 GCACTGATGATGTGCAGATCAACGATATTTCTCTACAGGATTACATTGCTGTGAAGGAGAAGTATGCCAA
 GTACCTGCCCCACAGTGCAGGACGGTATGCTGCCAAGCGTTTCCGCAAAGCACAGTGTCCCATCGTGGAG
 CGCCTTACTAACTCCATGATGATGCACGGTCGTAACAACGGCAAGAAGCTCATGACTGTACGAATTGTCA
 AGCATGCCTTTGAGATCATCCACCTGCTCACTGGTGAGTGGCCCCGAGAAGACTCAACACGCATTGGGC
 GGGCTGGAACAGTGAGACGGCAGGCTGTGGATGTATCCCCACTTCGCCGAGTGAATCAGGCCATCTGGCT
 GCTGTGCACGGGGCTCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211636 representing NM_001105722
 Red=Cloning site Green=Tags(s)

MTEWETATPAVAETPDIKLFGKWSTDDVQINDISLQDYIAVKEKYAKYLPHSAGRYAAKRFKAQCPIVE
 RL TNSMMMHGRNNGKLM TVRIVKHA FEI I HLL TGEWPPRRLNTHWAGWNSETAGCGCIPTSPSESHLA
 AVHGGS

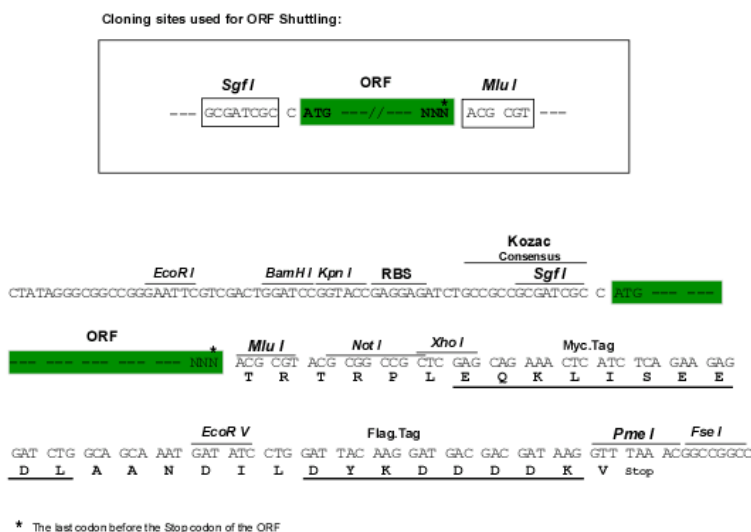
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_001105722

ORF Size: 438 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_001105722.1](#), [NP_001099192.1](#)

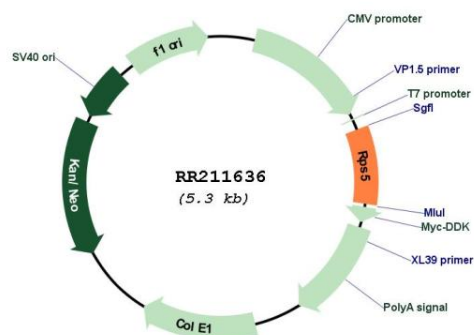
RefSeq Size: 726 bp

RefSeq ORF: 441 bp

Locus ID: 25538

Cytogenetics: 1q12
MW: 16.3 kDa
Gene Summary: mouse homolog is a component of the 40S subunit [RGD, Feb 2006]

Product images:



Circular map for RR211636