

Product datasheet for **RR207297**

Rpl5 (NM_031099) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rpl5 (NM_031099) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rpl5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207297 representing NM_031099
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGTTCGTGAAAGTTGTCAAGAATAAGGCCTACTTTAAAAGATACCAAGTGAGATTTAGAAGGCGGC
GAGAGGGTAAAACACTGACTACTATGCACGAAACGATTGGTGATCCAGGACAAAAATAAGTACAACACACC
GAAATACAGGATGATAGTTCGTGAACGAACAGAGACATCATCTGCCAGATTGCATATGCCCGTAGAA
GGGATATGATCGTCTGTGCAGCATATGCACATGAACTTCCAAAATACGGTGTGAAAGTTGGCCTGACAA
ACTATGCTGCAGCCTATTGCACTGGCCTGCTGCTGGCCCGCAGGCTTCTGAATAGTTTTGGCATGGACAA
GATCTATGAAGGCCAAGTGGAGGTGAATGGAGACGAGTACAATGTGAAAGCATAGACGGTCAGCCTGGT
GCCTTCACTTGCTATCTGGATGCGGGTCTTGCCCGAACTACAACCTGGCAATAAAGTTTTTGGCGCCTGA
AGGGAGCTGTGGATGGAGGCTTATCTATCCCCATAGTACTAAACGATTCCTGGCTATGACTCTGAAAG
CAAGGAGTTCAATGCAGAGGTGCACCGGAAGCACATCATGGGTGAGAATGTGGCAGACTACATGCCTAC
CTGATGGAGGAGGATGAGGATGCGTATAAGAAACAGTTCTCTCAGTACATCAAGAACAACGTGACTCCAG
ACATGATGGAGGAGATGTATAAGAAAGCTCATGCTGCTATCCGAGAGAATCCAGTCTACGAGAAGAAGCC
CAAGAGAGAAGTGAAGAAGAAGAGGTGGAATCGTCCAAAATGTCTTTGCCAGAAGAAAGACCGGTT
GCTCAAAAGAAGGCAAGCTTCTCAGAGCTCAGGAACGGGCTGCTGAAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207297 representing NM_031099
 Red=Cloning site Green=Tags(s)

MGFVKVVKNKAYFKRYQVRRRRREGKTDYYARKRLVIQDKNKYNTPKYRMIVRVNTRDIIQIAYARIE
 GDMIVCAAYAHLPKYGVKVL TNYAAAAYCTGLLLARRLLNRFMDKIYEGQVEVNGDEYNVESIDGQPG
 AFTCYLDAGLARTTTGNKVFGLKGAVDGGLSIPHSTKRFPYDSEKFNAEVHRKHIMGQNVADYMYRY
 LMEEDEDAYKKQFSQYIKNNVTPDMMEEMYKKAHAAIRENPVYEKKPKREVKKRWRNRPKMSLAQKKDRV
 AQKKASFLRAQERAAES

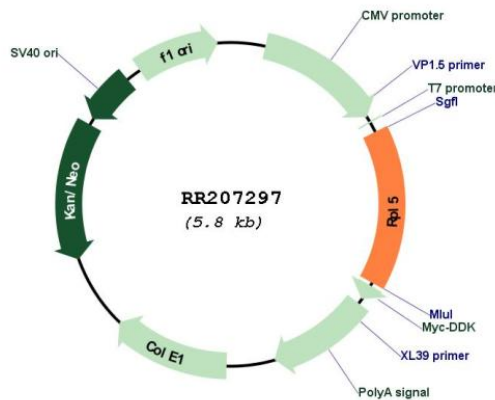
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031099

ORF Size:	891 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_031099.1 , NP_112361.1
RefSeq Size:	1069 bp
RefSeq ORF:	894 bp
Locus ID:	81763
UniProt ID:	P09895
Cytogenetics:	14p22
MW:	34.5 kDa
Gene Summary:	associates with 5S rRNA [RGD, Feb 2006]