

Product datasheet for **RC205769**

RPL9 (NM_000661) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RPL9 (NM_000661) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RPL9
Synonyms: L9; NPC-A-16
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC205769 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGACTATTCTCAGCAATCAGACTGTCGACATTCAGAAAATGTCGACATTACTCTGAAGGGACGCA
 CAGTTATCGTGAAGGGCCCCAGAGGAACCTGCGGAGGGACTTCAATCACATCAATGTAGAACTCAGCCT
 TCTTGGAAAGAAAAAAGAGGCTCCGGGTTGACAAATGGTGGGGTAACAGAAAGGAAGTGGCTACCGTT
 CGGACTATTTGTAGTCATGTACAGAACATGATCAAGGGTGTACTACTGGGCTTCCGTTACAAGATGAGGT
 CTGTGTATGCTCACTTCCCCATCAACGTTGTTATCCAGGAGAATGGGTCTTGTGAAATCCGAAATTT
 CTTGGGTGAAAAATACATCCGCAGGGTTCGGATGAGACCAGGTGTTGCTTGTTCAGTATCTCAAGCCAG
 AAAGATGAATTAATCCTTGAAGGAAATGACATTGAGCTTGTTCAAATTCAGCGGCTTTGATTACAGCAAG
 CCACAACAGTTAAAAACAAGGATATCAGGAAATTTTGGATGGTATCTATGTCTCTGAAAAAGGAAGTGT
 TCAGCAGGCTGATGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205769 protein sequence
 Red=Cloning site Green=Tags(s)

MKTILSNQTVDIPENV DITLKGRTVIVKGRGTLRRDFNHINVELSLLGKKKKRLRVDKWWGNRRELATV
 RTICSHVQNMIKGVTLGFRYKMRSVYAHFPINVVIQENGLVEIRNFLGEKYIRRVRMRPGVACSVSQAQ
 KDELILEGNDIELVSNAA LIQQATTVKNKDIRKFLDGIYVSEKGTVQQADE

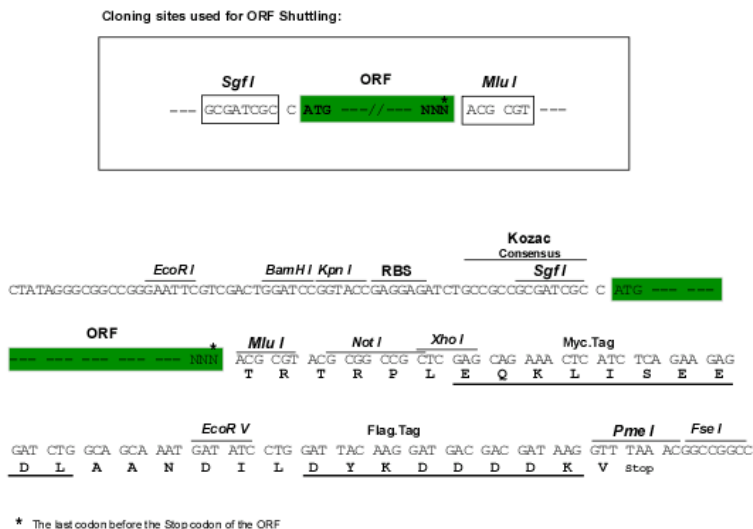
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Chromatograms: https://cdn.origene.com/chromatograms/mk6326_e12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_000661

ORF Size: 576 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_000661.2](#)

RefSeq Size: 766 bp

RefSeq ORF: 579 bp

Locus ID: 6133

UniProt ID: [P32969](#)

Cytogenetics: 4p14

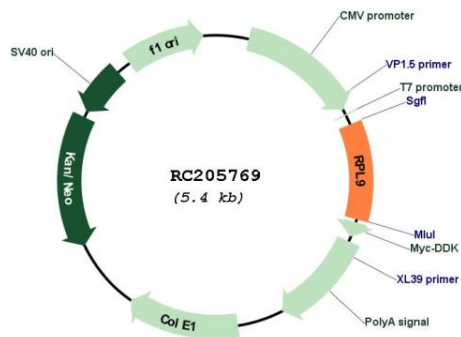
Domains: Ribosomal_L6

Protein Pathways: Ribosome

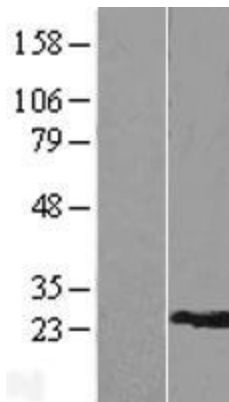
MW: 21.9 kDa

Gene Summary: Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L6P family of ribosomal proteins. It is located in the cytoplasm. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

Product images:



Circular map for RC205769



Western blot validation of overexpression lysate (Cat# [LY422552]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC210735] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).