

Product datasheet for **RC203616**

RPL29 (NM_000992) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RPL29 (NM_000992) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RPL29
Synonyms: HIP; HUMRPL29; L29; RPL29P10; RPL29_3_370
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC203616 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAAGTCCAAGAACCACACCACACAACCAGTCCCAGAAAATGGCACAGAAATGGTATCAAGAAAC
CCCATCACAAAGATACGAATCTCTTAAGGGGGTGGACCCCAAGTTCCTGAGGAACATGCGCTTTGCCAA
GAAGCACAAACAAAAGGGCCTAAAGAAGATGCAGGCCAACATGCCAAGGCCATGAGTGCACGTGCCGAG
GCTATCAAGGCCCTCGTAAAGCCCAAGGAGTTAAGCCCAAGATCCCAAAGGGTGTGAGCCGCAAGCTCG
ATCGATTGCCTACATTGCCACCCCAAGCTTGGGAAGCGTGCTGTCGCCGATTGCCAAGGGGCTCAG
GCTGTGCCGCAAGGCCAAGGCCAAGGCCAAGGCCAAGGATCAAACCAAGGCCAGGCTGCAGCCCCA
GCTTCAGTTCAGCTCAGGCTCCCAAACGTACCCAGGCCCTACAAGGCTTCAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC203616 protein sequence
Red=Cloning site Green=Tags(s)
MAKSKNHTTHNQSRKWHNRNGIKKPRSQRYESLKGVDPKFLRNMRFAKKHNKGLKMKQANNAKAMSARAE
AIKALVKPKVKPKIPKGVSRKLDRLAYIAHPKLGKRARARIAKGLRLCRPKAKAKAKAQTKAQAAP
ASVPAQAPKRTQAPTQASE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

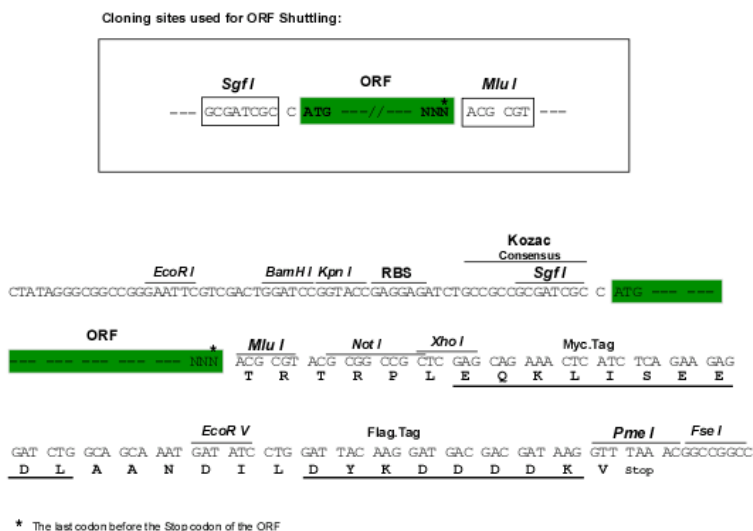
Chromatograms: https://cdn.origene.com/chromatograms/mk6079_c12.zip



[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_000992

ORF Size: 477 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_000992.3](#)

RefSeq Size: 737 bp

RefSeq ORF: 480 bp

Locus ID: 6159

UniProt ID: [P47914](#)

Cytogenetics: 3p21.2

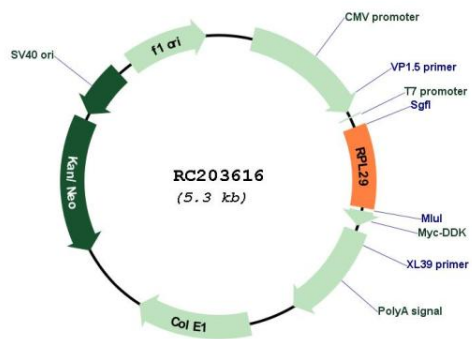
Domains: Ribosomal_L29e

Protein Pathways: Ribosome

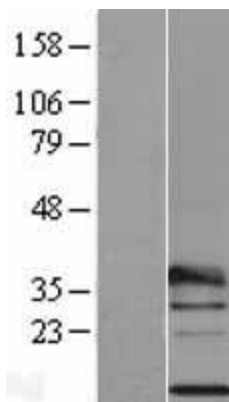
MW: 17.8 kDa

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 cytoplasmic ribosomal protein that is a component of the 60S subunit. The protein belongs to the L29E family of ribosomal proteins. The protein is also a peripheral membrane protein expressed on the cell surface that directly binds heparin. Although this gene was previously reported to map to 3q29-qter, it is believed that it is located at 3p21.3-p21.2. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC203616



Western blot validation of overexpression lysate (Cat# [LY400359]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203616 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).