

Product datasheet for **RC204960**

RPLP0 (NM_001002) Human Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | RPLP0 (NM_001002) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | RPLP0 |
| Synonyms: | L10E; LP0; P0; PRLP0; RPP0 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC204960 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGGGAAGACAGGGCGACCTGGAAGTCCAACACTTCTTAAGATCATCCAACATTGGATGATT
ATCCGAAATGTTTCATTGTGGGAGCAGACAATGTGGGCTCCAAGCAGATGCAGCAGATCCGCATGTCCCT
TCGCGGGAAGGCTGTGGTGTGATGGGCAAGAACCATGATGCGCAAGGCCATCCGAGGGCACCTGGAA
AACAAACCAGCTCTGGAGAACTGCTGCCTCATATCCGGGGAAATGTGGGCTTTGTTCACCAAGGAGG
ACCTCACTGAGATCAGGGACATGTTGCTGGCCAATAAGGTGCCAGCTGCTGCCCGTCTGGTGCCATTGC
CCCATGTGAAGTCACTGTGCCAGCCAGAACACTGGTCTCGGGCCGAGAAGACCTCCTTTTTCCAGGCT
TTAGGTATCACCACTAAAATCTCCAGGGCACCATTGAAATCCTGAGTGTGTGCAGCTGATCAAGACTG
GAGACAAAGTGGGAGCCAGCGAAGCCACGCTGCTGAACATGCTCAACATCTCCCCCTTCTCTTTGGGCT
GGTCATCCAGCAGGTGTTTCGACAATGGCAGCATCTACAACCTGAAGTGCTTGATATCACAGAGGAACT
CTGCATTCTCGCTTCTGGAGGGTGTCCGCAATGTTGCCAGTGTCTGTCTGCAGATTGGCTACCCAAGT
TTGCATCAGTACCCATTCTATCATCAACGGGTACAACGAGTCTGGCCTTGTCTGTGGAGACGGATTA
CACCTTCCCACTTGCTGAAAAGGTCAAGGCCTTCTGGCTGATCCATCTGCCTTTGTGGCTGCTGCCCT
GTGGCTGCTGCCACCACAGCTGCTCCTGCTGCTGCTGCAGCCAGCTAAGGTTGAAGCCAAGGAAGAGT
CGGAGGAGTCGGACGAGGATATGGGATTTGGTCTCTTTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC204960 protein sequence
Red=Cloning site Green=Tags(s)

MPREDRATWKSNYFLKIIQLDDYPKCFIVGADNVGSKQMQQIRMSLRGKAVVLMGKNTMMRKAIRGHLE
 NNPALEKLLPHIRGNVGFVFTKEDLTEIRDMLLANKVPAAARAGAIAPCEVTVPAQNTGLGPEKTSFFQA
 LGITTKISRGTIEILSDVQLIKTGDKVGASEATLLNMLNISPFSFGLVIQQVFDNGSIYNPEVLDITEET
 LHSRFLEGVRNVASVCLQIGYPTVASVPHSIINGYKRVLALSVETDYTFPLAEKVKAFLADPSAFVAAAP
 VAAATTAAPAAAAAPAKVEAKEESESEDEDMGFLFD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6084_g10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001002

ORF Size: 951 bp

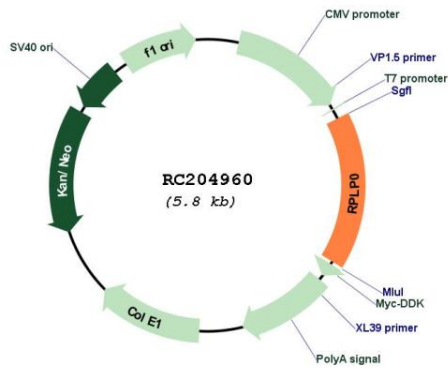
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

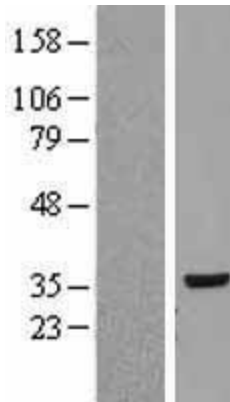
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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|-------------------------------|--|
| 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_001002.4 |
| RefSeq Size: | 1229 bp |
| RefSeq ORF: | 954 bp |
| Locus ID: | 6175 |
| UniProt ID: | P05388 |
| Cytogenetics: | 12q24.23 |
| Domains: | Ribosomal_L10, 60s_ribosomal |
| Protein Pathways: | Ribosome |
| MW: | 34.3 kDa |
| Gene Summary: | <p>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, which is the functional equivalent of the E. coli L10 ribosomal protein, belongs to the L10P family of ribosomal proteins. It is a neutral phosphoprotein with a C-terminal end that is nearly identical to the C-terminal ends of the acidic ribosomal phosphoproteins P1 and P2. The P0 protein can interact with P1 and P2 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. The protein is located in the cytoplasm. Transcript variants derived from alternative splicing exist; they encode the same protein. 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]</p> |

Product images:



Circular map for RC204960



Western blot validation of overexpression lysate (Cat# [LY424313]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204960 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).