

Product datasheet for **RC220479**

RPLP1 (NM_213725) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RPLP1 (NM_213725) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RPLP1
Synonyms: LP1; P1; RPP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC220479 representing NM_213725
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCTCTGTCTCCGAGCTCGCCTGCATCTACTCGGCCCTCATTCTGCACGACGATGAGGTGACAGTCA
CGGCCCTGGCCAACGTCAACATTGGGAGCCTCATCTGCAATGTAGGGCCGGTGGACCTGCTCCAGCAGC
TGGTGCTGCACCAGCAGGAGTCTGCCCTCCACTGCTGCTGCTCCAGCTGAGGAGAAGAAAGTGGAA
GCAAAGAAAGAAGAAATCCGAGGAGTCTGATGATGACATGGCTTTGGTCTTTTGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220479 representing NM_213725
Red=Cloning site **Green**=Tags(s)

MASVSELACIYSALILHDDEVTVTALANVNIIGSLICNVGAGGPAPAAGAAPAGGPAPSTAAAPAEKKVE
AKKEESEESDDDMGFGLFD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8042_a10.zip

Restriction Sites: Sgfl-Mlul



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UniProt ID: [P05386](#)

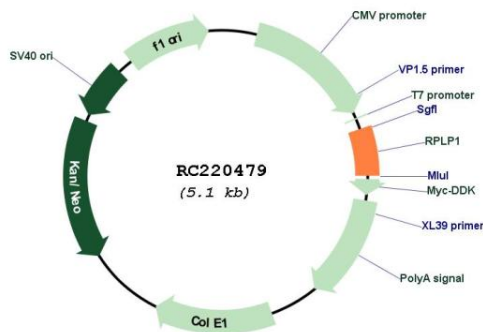
Cytogenetics: 15q23

Protein Pathways: Ribosome

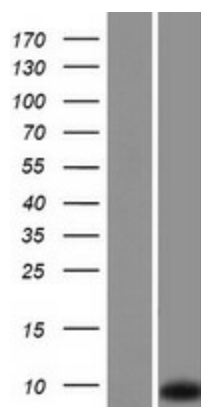
MW: 8.6 kDa

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 phosphoprotein that is a component of the 60S subunit. The protein, which is a functional equivalent of the E. coli L7/L12 ribosomal protein, belongs to the L12P family of ribosomal proteins. It plays an important role in the elongation step of protein synthesis. Unlike most ribosomal proteins, which are basic, the encoded protein is acidic. Its C-terminal end is nearly identical to the C-terminal ends of the ribosomal phosphoproteins P0 and P2. The P1 protein can interact with P0 and P2 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. The protein is located in the cytoplasm. Two alternatively spliced transcript variants that encode different proteins have been observed. 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 RC220479



Western blot validation of overexpression lysate (Cat# [LY403739]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220479 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).