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Product datasheet for SC119510

RPLP1 (NM_001003) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPLP1 (NM_001003) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPLP1
Synonyms:	LP1; P1; RPP1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119510 sequence for NM_001003 edited (data generated by NextGen Sequencing) ATGGCCTCTGTCTCCGAGCTCGCCTGCATCTACTCGGCCCTCATTCTGCACGACGATGAG GTGACAGTCACGGAGGATAAGATCAATGCCCTCATTAAAGCAGCCGGTGTAAATGTTGAG CCTTTTTGGCCTGGCTTGTTTGCAAAGGCCCTGGCCAACGTCAACATTGGGAGCCTCATC TGCAATGTAGGGGCCGGTGGACCTGCTCCAGCAGCTGGTGCTGCACCAGCAGGAGGTCCT GCCCCCTCCACTGCTGCTGCTCCAGCTGAGGAGAAGAAAGTGGAAGCAAAGAAAGAAGAA TCCGAGGAGTCTGATGATGACATGGGCTTTGGTCTTTTTGACTAA Clone variation with respect to NM_001003.2

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001003 unedited
TTTTGTATACGACTCCTATAGGCGGCCGCGACATTCGCACGAGGCTGCCGCCAGGTGCTC
GGTCCTTCCGAGGAAGCTAAGGCTGCGTTGGGGTGAGGCCCTCACTTCATCCGGCGACTA
GCACCGCGTCCGGCAGCGCCAGCCCTACACTCGCCCGCGCCATGGCCTCTGTCTCCGAGC
TCGCCTGCATCTACTCGGCCCTCATTCTGCACGACGATGAGGTGACAGTCACGGAGGATA
AGATCAATGCCCTCATTAAAGCAGCCGGTGTAAATGTTGAGCCTTTTTGGCCTGGCTTGT
TTGCAAAGGCCCTGGCCAACGTCAACATTGGGAGCCTCATCTGCAATGTAGGGGCCGGTG
GACCTGCTCCAGCAGCTGGTGCTGCACCAGCAGGAGGTCCTGCCCCCTCCACTGCTGCTG
CTCCAGCTGAGGAGAAGAAAGTGGAAGCAAAGAAAGAAGAATCCGAGGAGTCTGATGATG
ACATGGGCTTTGGTCTTTTTGACTAAACCTCTTTTATAACATGTTCAATAAAAAGCTGAA
CTTTAAAAAANNAAAANNNAAAAAAAAAAAAAAAAAAAAANANCCTCGACTCTAGATTGCG
GCCGCGGTCATAGCTGTTTCCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCCA
GTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCCACCAGCCTTGTCCTAATAAAA
TTAGTTGCATCATTTTGTCTGACTAGGTGGCCTCTATAATATGGGGNGGGGGNGNGGGNN
NNNNNNNNNNNCGGGGGGGGNNNNNNGGGGGGAAAACCCNCTGGGGGCGGGGGGGGGGT
TTTATGGGAAAACCATTGGGGGGGGGGGGGGGACAATTTGGGGTTACTGGATCTCCCCT
TCCGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001003 unedited
CCTTTAGCTTGNCCGCGGCCGCTATCTANATCGAGTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTAAAAGGTCAGCTTTTTATTGAACATGTTATAAAAGAGGTTTAGTCAA
AAAGACCAAAGCCCATGTCATCATCAAACTCCTCGGATTCTTCTTTCTTTGCTTCCACTT
TCTTCTCCTCAGCTGGAGCAGCAGCAGGGGAGGGGGCAGGACCTCCTGCTGGGGCAGCAC
CAGCTGCTGGAGCAGGTCCACCGGCCCCTACATTGCAAATGAGGCTCCCAATGTTGACGT
TGGCCAGGGCCTTTGCAAACAAGCCAGGCCAAAAAGGCTCAACATTTACACCGGCTGCTT
TAATGAGGGCATTGATCTTATCCTCCGGGACTGTCACCTCATCGTCGGGCAAAATGAGGG
CCGAGTAAATGCAGGCGAGCTCGGAGACAGAGGCCATGGCGCGGGCGAGTGTAGGGCTGG
CGCTGCCGGACGCGGTGCTAGTCGCCGGATGAAGTGAGGGCCTCACCCCAACGCAGCCTT
AGCTTCCTCGGAAGGACCGAGCACCTTGGCGGAAGCCTCGTGCCGAATTCGCGGCCGCCC
TATAGGGAGTCGTATTACAAAATTCTGACGGTTCACTAAACGAGCTCTGCTTATAAGAAC
CTCCACCGGACACGCCTACCGCCCATTGGGGTAAACGGGGGGGGGTTATTCCGACATTTT
GGAAAGCCCCGTGGATTTTGGTGGCCAAACAAACTCCCCTTGGCGTCAATGGGGGGGGAA
ACTTGAAATCCCCGGGGGGCAAACCGCTATCCACGCCCATTGGGGTACTGCCAAACCGCA
ACCCATGGGAAAAGGGAGGACAAAACCCAAAAGCCCTGCCAGTNGGAAAACCCCCCAGGG

Restriction Sites: NotI-NotI

ACCN: NM_001003

Insert Size: 560 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001003.2, NP_000994.1
RefSeq Size:	512 bp
RefSeq ORF:	345 bp
Locus ID:	6176
UniProt ID:	P05386
Cytogenetics:	15q23
Domains:	60s_ribosomal
Protein Pathways:	Ribosome
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] Transcript Variant: This predominant variant (1) is the longer transcript and encodes the longer isoform (1).