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Product datasheet for SC119570

RPL4 (NM_000968) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL4 (NM_000968) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL4
Synonyms:	L4
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC119570 sequence for NM_000968 edited (data generated by NextGen Sequencing)

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ATGGCGTGTGCTCGCCCACTGATATCGGTGTACTCCGAAAAGGGGGAGTCATCTGGCAAA
AATGTCACTTTGCCTGCTGTATTCAAGGCTCCTATTCGACCAGATATTGTGAACTTTGTT
CACACCAACTTGCGCAAAAACAACAGACAGCCCTATGCTGTCAGTGAATTAGCAGGTCAT
CAGACTAGTGCTGAGTCTTGGGGTACTGGCAGAGCTGTGGCTCGAATTCCCAGAGTTCGA
GGTGGTGGGACTCACCGCTCTGGCCAGGGTGCTTTTGGAAACATGTGTCGTGGAGGCCGA
ATGTTTGCACCAACCAAAACCTGGCGCCGTTGGCATCGTAGAGTGAACACAACCCAAAAA
CGATACGCCATCTGTTCTGCCCTGGCTGCCTCAGCCCTACCAGCACTGGTCATGTCTAAA
GGTCATCGTATTGAGGAAGTTCCTGAACTTCCTTTGGTAGTTGAAGATAAAGTTGAAGGC
TACAAGAAGACCAAGGAAGCTGTTTTGCTCCTTAAGAAACTTAAAGCCTGGAATGATATC
AAAAAGGTCTATGCCTCTCAGCGAATGAGAGCTGGCAAAGGCAAAATGAGAAACCGTCGC
CGTATCCAGCGCAGGGGCCCGTGCATCATCTATAATGAGGATAATGGTATCATCAAGGCC
TTCAGAAACATCCCTGGAATTACTCTGCTTAATGTAAGCAAGCTGAACATTTTGAAGCTT
GCTCCTGGTGGGCATGTGGGACGTTTCTGCATTTGGACTGAAAGTGCTTTCCGGAAGTTA
GATGAATTGTACGGCACTTGGCGTAAAGCCGCTTCCCTCAAGAGTAACTACAATCTTCCC
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GCCCTTCGAGCACCACGCAAGAAGATCCATCGCAGAGTCCTAAAGAAGAACCCACTGAAA
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CTACAAGCCAAATCAGATGAGAAGGCGGCGGTTGCAGGCAAGAAGCCTGTGGTAGGTAAG
AAAGGAAAGAAGGCTGCTGTTGGTGTTAAGAAGCAGAAGAAGCCTCTGGTGGGAAAAAAG
GCAGCAGCTACCAAGAAACCAGCCCCTGAAAAGAAGCCTGCAGAGAAGAAACCTACTACA
GAGGAGAAGAAGCCTGCTGCATAA

Clone variation with respect to NM_000968.3
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View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000968 unedited
TTGTAATACGAACTCACTATAGGGCGGCCGCGAATTCGCACGAGGCCGGGCTGAGAGGAG
CGTGGCTGTCTCCTCTCTCCGCCATGGCGTGTGCTCGCCCACTGATATCGGTGTACTCCG
AAAGGGGGAGTCATCTGGCAAAAATGTCACTTTGCCTGCTGTATTCAAGGCTCCTATTCG
ACCAGATATTGTGAACTTTGTTCACACCAACTTGCGCAAAAACAACAGACAGCCCTATGC
TGTCAGTGAATTAGCAGGTCATCAGACTAGTGCTGAGTCTTGGGGTACTGGCAGAGCTGT
GGCTCGAATTCCCAGAGTTCGAGGTGGTGGGACTCACCGCTCTGGCCAGGGTGCTTTTGG
AAACATGTGTCGTGGAGGCCGAATGTTTGCACCAACCAAAACCTGGCGCCGTTGGCATCG
TAGAGTGAACACAACCCAAAAACGATACGCCATCTGTTCTGCCCTGGCTGCCTCAGCCCT
ACCAGCACTGGTCATGTCTAAAGGTCATCGTATTGAGGAAGTTCCTGAACTTCCTTTGGT
AGTTGAAGATAAAGTTGAAGGCTACAAGAAGACCAAGGAAGCTGTTTTGCTCCTTAAGAA
ACTTAAAGCCTGGAATGATATCAAAAAGGTCTATGCCTCTCAGCGAATGAGAGCTGGCAA
AGGCAAAATGAGAAAACCGTCGCCGTATCCAGCGCAGGGNGCCCGTGCATCATCTANTAT
GAGGATAAATGGTATCATCAAGGCCTTCAGAAACATCCCTGGGATTACTCTGCTTAATGT
AAAGCAGCTGAACATTNTGAAGCTTGCTCCTGGTGGGCATGTGGGGACGTTTCTGCATTT
GGACTGAAAGTGCTTTCCGAAGTTAGATGAANTGTACCGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000968 unedited
CTGTTAATCAGTCTTTATTCAAAATAGCTGTCCAAAAGATTTGACCTTTATGGAATAATC
AAATTTAAGAGTTTATGCAGCAGGCTTCTTCTCCTCTGTAGTAGGTTTCTTCTCTGCAGG
CTTCTTTTCAGGGGCTGGTTTCTTGGTAGCTGCTGCCTTTTTTCCCACCAGAGGCTTCTT
CTGCTTCTTAACACCAACAGCAGCCTTCTTTCCTTTCTTACCTACCACAGGCTTCTTGCC
TGCAACCGCCGCCTTCTCATCTGATTTGGCTTGTAGTGCCGCTGCTGCAGCAGCTGCCTT
ATCCACCCGGAGCTTGTGATTCCTGGCCTGGCGAAGAATGGTGTTCCGGCGCATGGTCTT
TGCATATGGGTTTAGCTTCAACATGATTCTCAAGTTTTTCAGTGGGTTCTTCTTTAGGAC
TCTGCGATGGATCTTCTTGCGTGGTGCTCGAAGGGCTCTTTGGATCTCTGGGCTTTTCAA
GATTCTGCTAAGATCTGTATTAATCATCTTGTGCATGGGAAGATTGTAGTTACTCTTGAG
GGAAGCGGCTTTACGCCAAGTGCCGTACAATTCATCTAACTTCCGGAAAGCACTTTCAGT
CCAAATGCAGAAACGTCCCACATGCCCACCAGGAGCAAGCTTCAAAATGTTCAGCTTGCT
TACATTAAGCAGAGTAATTCCAGGGGATGTTTCTGAAGGCCTTGATGATACCATTATCCT
CATTATAGATGATGCACGGGGCCCCTGCGCTGGATACGGCGACGGTTTCTCATTNTGCCT
TTGCCAGCTCTCATTCGCTGAGAGGCATAGACCTTNNTGATATCATTCCCAGCTTTAAGT
TTCTTAGGAGCANACAGCTNCTTTGGGTCTCTGTAGCCTCAAACTTATCTCACTACAAAA
GGAAGTCAGGNAACTCCTCATACGATGACCTTANACTGACANNGCTGNTAGGCTGAGCAC
CAGGCAAACNATGCGNACGTTTTGGGGTGGGTACT

Restriction Sites: NotI-NotI

ACCN: NM_000968

Insert Size: 1560 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_000968.2, NP_000959.2
RefSeq Size:	1449 bp
RefSeq ORF:	1284 bp
Locus ID:	6124
UniProt ID:	P36578
Cytogenetics:	15q22.31
Domains:	Ribosomal_L4
Protein Families:	Druggable Genome
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 protein that is a component of the 60S subunit. The protein belongs to the L4E 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. [provided by RefSeq, Jul 2008]