

Product datasheet for **RG209771**

RPL18A (NM_000980) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RPL18A (NM_000980) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RPL18A
Synonyms: L18A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG209771 representing NM_000980
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGCCTCGGGCACGCTACGAGAGTACAAGGTAGTGGGTCGCTGCCACCCCCAAATGCCACA
 CGCCGCCCTCTACCGCATGCGAATCTTTGCGCCTAATCATGTCGTCGCCAAGTCCCGCTCTGGTACTT
 TGTATCTCAGTTAAAGAAGATGAAGAAGTCTTCAGGGGAGATTGTCTACTGTGGGAGGTGTTTGAAGAAG
 TCCCCCTGCGGGTGAAGAACTTCGGGATCTGGCTGCGCTATGACTCCCGGAGCGGCACCCACAACATGT
 ACCGGGAATACCGGGACCTGACCACAGCAGGCGCTGTACCCAGTGCTACCGAGACATGGGTGCCCGGCA
 CCGCGCCCGAGCCCACTCCATTCAGATCATGAAGGTGGAGGAGATCGCGCCAGCAAGTGC CGCCGCCG
 GCTGTCAAGCAGTTCCACGACTCCAAGATCAAGTTCCTCCGCTGCCCAACGGGTCCTGCGCCGTCAGCACA
 AGCCACGCTTACCACCAAGAGGCCCAACACCTTCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209771 representing NM_000980
 Red=Cloning site Green=Tags(s)

MKASGTLREYKVVGRCLPTPKCHTPPLYRMRIFAPNHVVAKSRFWYFVSQ LKKMKKSSGEIVYCGQVFEK
 SPLRVKNFGIWLRYDSRSGTHNMYREYRDLTTAGAVTQCYRDMGARHRRARAHSIQIMKVEEIAASKCRRP
 AVKQFHDSKIKFPLPHRVLRRQHKPRFTTKRPNTFF

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_000980

ORF Size: 528 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_000980.2](#), [NP_000971.1](#)

RefSeq Size: 618 bp

RefSeq ORF: 531 bp

Locus ID: 6142

UniProt ID: [Q02543](#)

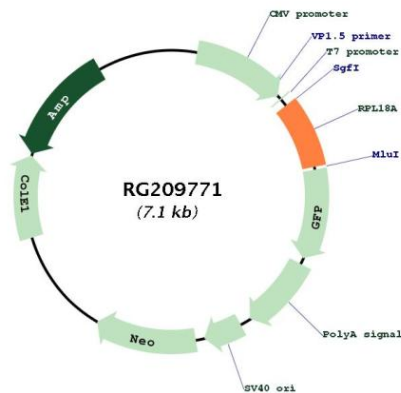
Cytogenetics: 19p13.11

Domains: Ribosomal_L18ae

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 member of the L18AE family of ribosomal proteins that is a component of the 60S subunit. The encoded protein may play a role in viral replication by interacting with the hepatitis C virus internal ribosome entry site (IRES). This gene is co-transcribed with the U68 snoRNA, located within the third intron. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed throughout the genome. [provided by RefSeq, Jul 2012]

Product images:



Circular map for RG209771