

Product datasheet for **MG225919**

Rps6 (NM_009096) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Rps6 (NM_009096) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Rps6
 Synonyms: S6R
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG225919 representing NM_009096
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGCTGAACATCTCCTTCCCCGCCACCGGCTGTCAGAAGCTCATCGAGGTGGATGACGAGCGCAAGC
 TCCGCACCTTCTATGAGAAGCGCATGGCCACGGAAGTAGCCGCTGATGCTCTTGGTGAAGAGTGGAAAGG
 TTATGTGGTCCGGATCAGCGGTGGGAATGACAAGCAAGTTTTCCCATGAAGCAAGGTGTTCTGACCCAT
 GGCAGAGTGCCCTGCTGTTGAGTAAGGGGCATTCCTGTTACAGGCCAAGGAGAACTGGAGAGAGGAAGC
 GCAAGTCTGTTTCGTGGATGCATTGTGGACGCTAATCTCAGTGTTCTCAACTTGGTCATTGTAAGAAAGG
 AGAGAAGGATATTCCTGGACTGACAGACTACTGTGCCTCGTCGGTGGGACCTAAAAGGGCTAGTAGA
 ATCCGCAAGCTTTTTAATCTCTCAAAGAAGATGATGTCCGCCAGTATGTTGTCAGGAAGCCCTAAACA
 AAGAAGGTAAGAAGCCCAGGACCAAGCACCCAAGATTCAGCGACTTGTTACTCCTCGTGTCTGCAACA
 CAAACGCCGACGTATTGCTCTGAAGAAGCAACGCACTAAGAAGAACAAGGAGGAGGCTGCAGAATACGCT
 AAATTTTGGCCAAGAGAATGAAGGAAGCCAAAGAAAAGCGCCAGGAACAGATTGCCAAGAGACGTAGGC
 TGTCTCACTGAGAGCTTCTACTTCTAAGTCTGAGTCCAGTCAAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225919 representing NM_009096
 Red=Cloning site Green=Tags(s)

MKLNISFPATGCQKLEI VDDERKLRTFYEKRMATEVAADALGEEWKGYVVRISSGNDKQGFPMKQGVLT
 GRVRLLLSKGHSCYRPRRTGERKRKSVRGCIVDANLSVLNLVIVKKGEKDIPGLTDTTVPRRLGPKRASR
 IRKLFNLSKEDDVRQYVVRKPLNKEGKKPRTKAPKIQRLLVTPRVLQHKRRRIALKKQRTKKNKEAAEYA
 KLLAKRMKEAKEKRQEIAKRRRLSSLRASTKSESSQK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009096

ORF Size: 747 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_009096.3](#), [NP_033122.1](#)

RefSeq Size: 1394 bp

RefSeq ORF: 750 bp

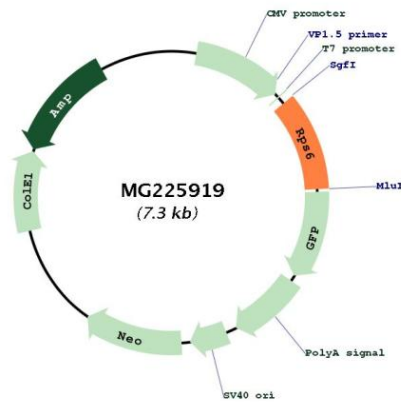
Locus ID: 20104

UniProt ID: [P62754](#)

Cytogenetics: 4 C4

Gene Summary: May play an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG225919