

Product datasheet for MR202351

Rpl10 (NM_052835) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Rpl10 (NM_052835) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Rpl10
 Synonyms: D0HXS648; DXHXS648; DXHXS648E; QM; QM16
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR202351 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGGCCGCCGCCCGCCGGTGTACCAGTATTGTAAGAACAAGCCATACCCAAAGTCTCGTTTCTGCC
 GTGGTGTCCCTGATGCTAAGATCCGAATCTTTGATTTGGGACGGAAGAAAGCAAAGTTGATGAATTCCC
 ACTTTGTGGCCATATGGTGTGAGATGAATATGAGCAACTCTTCTGAAGCACTGGAGGCTGCCCGTATT
 TGTGCCAACAAATACATGGTAAAGAGTTGTGGCAAGGATGGCTTTCATATCCGAGTGAGGCTCCACCTT
 TCCATGTCATCCGTATCAACAAGATGTTGTCTGTGCTGGGGCTGACAGGCTCCAGACAGGGATGCGTGG
 TGCTTTGGGAAGCCCCAGGGCACAGTGCCAGGGTTCACATTGGCCAGGTCATCATGTCCATCCGAACC
 AAGTTGCAGAACAAGGAACATGTGATTGAGGCTCTGCGAAGAGCCAAGTTCAAGTTCCCTGGCCGCCAGA
 AGATCCACATCTCAAAGAAGTGGGGCTTACCAAGTTTAAATGCAGATGAATTTGAAGACATGGTTGCTGA
 GAAGCGGCTCATTCTGATGGCTGTGGTGTCAAATATATCCCCAATCGTGGTCTCTGGACAAGTGGAGA
 GCCCTGCATTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202351 protein sequence
 Red=Cloning site Green=Tags(s)

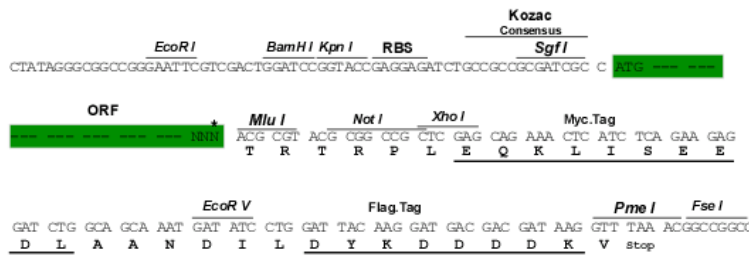
MGRRPARCYRYCKNKYPKSRFCRGVPAKIRIFDLGRKKAKVDFPLCGHMVSDEYEQLSSEALEAARI
 CANKYMKVSCGKDFHVRVLPFHVIRINKMLSCAGADRLQTGMRGAFGKPQGTVARVHIGQVIMSIRT
 KLQNKHEVIEALRRAKFKFPGRQKIHISKWGF TKFNADEFEDMVAEKRLIPDGGCVKYIPNRGPLDKWR
 ALHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_052835

ORF Size: 645 bp

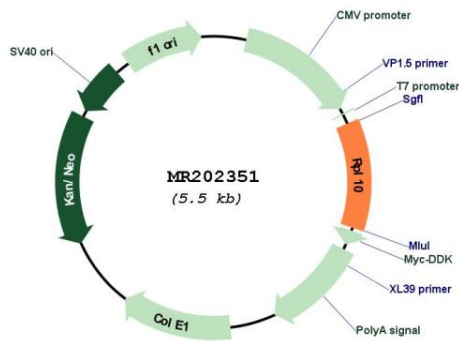
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_052835.3](#), [NP_443067.1](#)
- RefSeq Size:** 798 bp
- RefSeq ORF:** 645 bp
- Locus ID:** 110954
- UniProt ID:** [Q6ZWW3](#)
- Cytogenetics:** X 37.94 cM
- MW:** 24.6 kDa
- Gene Summary:** Component of the large ribosomal subunit. Plays a role in the formation of actively translating ribosomes. May play a role in the embryonic brain development. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202351