

Product datasheet for MR201470

Rps16 (NM_013647) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rps16 (NM_013647) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rps16
Synonyms: AA420385; AI317031
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201470 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTGGAGCGGCCGCTGAGAGACCTTTCCGGTCGCGGCGCTGCGCGGTGTGGAGCTCGTGCTTGTGC
 TCGGAGCTATGCCGTCCAAGGTCGCTGCAGTCCGTGCAGGTCTTCGGACGCAAGAAAACAGCCACGGC
 TGTGGCCCACTGCAAACGGGAAATGGGCTCATCAAGGTGAACGGACGTCCTGGAGATGATCGAGCCG
 CGCAGCTGCAGTACAAGTTACTGGAGCCTGTTTCTTCTGGCAAGGAGCGATTTGCTGGTGTGGATA
 TTCGGTCCGTGTGAAGGTGGTGGACATGTGGCCAAATTTATGCCATCCGACAGTCCATCTCAAAGGC
 CCTGGTAGCTTATTACCAAAAATATGTGGATGAAGCCTCCAAGAAGGAGATCAAAGATATCCTCATCCAA
 TACGATCGGACCCTGCTTAGCTGACCCCGTCGCTGCGAATCCAAAAGTTTGGAGGTCTGGTGCC
 GTGCCGATACCAGAAATCCTACCGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201470 protein sequence
 Red=Cloning site Green=Tags(s)

MLERPLREPFVAALRGVELVLVLGAMPSKGPLQSVQVFRKKTATAVAHCKRGNGLIKVNGRPLEMIEP
 RTLQYKLLPVLVLLGKERFAGVDIRVRVKGGHVAQIYAIRQSIKALVAYYQKYVDEASKKEIKDILIQ
 YDRLLVADPRRCESKKFGGPGARARYQKSYR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_013647

ORF Size: 519 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_013647.1](#), [NM_013647.2](#), [NP_038675.2](#)

RefSeq Size: 633 bp

RefSeq ORF: 441 bp

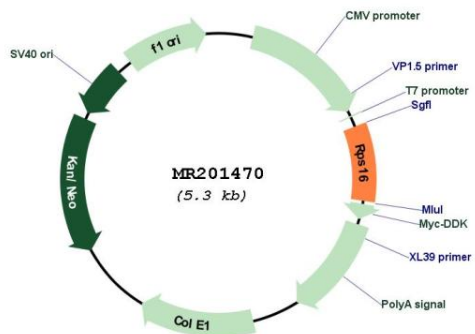
Locus ID: 20055

UniProt ID: [P14131](#)

Cytogenetics: 7 A3

MW: 19.3 kDa

Product images:



Circular map for MR201470