

Product datasheet for MR201751

BC017643 (NM_144832) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BC017643 (NM_144832) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: BC017643
Synonyms: MGC28978; MGC37062; MGC37382
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201751 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTATATGCAGGTGGAGACACGCACCAGCACCCGCTCCATCTGAAGAGGGCTCCAGGCATCCGGTCTT
 GGTCCCTGCTGGTCGGAATATTATCCACTGGCCTGGCTGCTGCCTATTACAGTGGAGATAGTCTGGGCTG
 GAAGCTCTTCTATGTCACAGGCTGCCTATTTGTGGCTGTACAGAAGCTTGAAGACTGGGAGGAGGCCATT
 TCAACAAGAAGACTGGGAAGGTCATCTAAAAACATTCAGCCTCTACAAGAAGCTGCTGACTCTTCTCA
 GAGCGGGCCACGATCAAGTGGTGGTTCTGTTGAAAGACATCCAGGATGTGAATGTGGAGGAGGAAAAGGT
 CCGTTACTTTGGGAAGGGCTACATGGTGGTGTCCGGTTTGCAACAGGCTTCTCCACCCTCTCACTCAG
 AGTGACAGTCATGGGCCGACGAGTGATGTGGAAGCCATTGCCAAACTCATCACTAGCTTCTTGGAGCTGC
 ACCGCCTGGAGAGCCCTCAGAACGGTCACAGAGCAGCGACAGTGAACCTGATGGCCCTGGTGGCCAGAG
 T

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201751 protein sequence
 Red=Cloning site Green=Tags(s)

MYMQVETRTSTRHLKRAPGIRSWLLVIGLSTGLAAAYYSGDSL GWKLFYVTGCLFVAVQNLEDWEEAI
 FNKNTGKVLKTFSLYKLLTLLRAGHDQVVLLKDIQDVNVEEEKVRYFGKGYMVVLR FATGFSHPLTQ
 SAVMGRSDVEIAKLITSFLELHRLSPSERSQSSDSEPDGPGGQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144832

ORF Size: 564 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_144832.2](#)

RefSeq Size: 2483 bp

RefSeq ORF: 564 bp

Locus ID: 217370

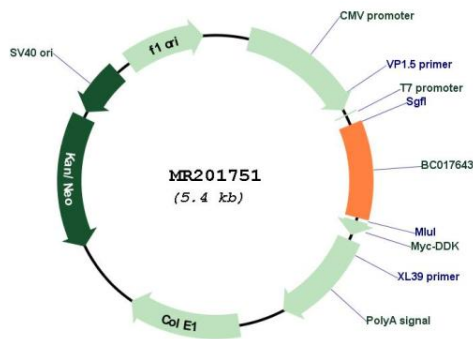
UniProt ID: [Q3TYS2](#)

Cytogenetics: 11 E2

MW: 20.9 kDa

Gene Summary: Necessary for a stable expression of the CYBA and CYBB subunits of the cytochrome b-245 hetrodimer. Controls the phagocyte respiratory burst and is essential for innate immunity. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201751