

Product datasheet for **MC201263**

BC017643 (NM_144832) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BC017643 (NM_144832) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	BC017643
Synonyms:	MGC28978; MGC37062; MGC37382
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC017643 sequence for NM_144832
 AGGGGCTGTTCTCTCCCACTCATTCTCCTACAAGTCCCTCGTTGTCCGCATAGGTGCGTGTCTACAAC
 TTTTCGGGTTCCGACCCGCCGAGCCCTGTGCGGGTCATCGTTGCGGATCTGGACCAAGGCGCAAGGCAAA
 TGAGGAAGCCGGGCGTGTGCACTCCGGAGGAGGAGCCAGCGTAACGGGCCGCTAGTGAGCTTGTGGTA
 ACTGAAGCCAGAGGGAGGCTTCAGTTGTGTTTTCCAAGCCTGGTCGGCTGTGCAGTAGAGCCAGGTTT
 CAAGAATGTATATGCAGGTGGAGACACGACCAAGCAGCCGCTCCATCTGAAGAGGGCTCCAGGCATCCG
 GTCTTGGTCCCTGCTGGTCGGAATATTATCCACTGGCCTGGCTGCTGCCTATTACAGTGGAGATAGTCTG
 GGCTGGAAGCTCTTCTATGTACAGGCTGCCTATTTGTGGCTGTACAGAACTTGGAAAGACTGGGAGGAGG
 CCATTTTCAACAAGAAGCACTGGGAAGGTCTCTAAAAACATTACGCCTCTACAAGAAGCTGCTGACTCT
 TCTCAGAGCGGGCCACGATCAAGTGGTGGTTCTGTTGAAAGACATCCAGGATGTGAATGTGGAGGAGGAA
 AAGGTCCGTTACTTTGGGAAGGGCTACATGGTGGTCTCCGGTTTGCAACAGGCTTCTCCCACTCTCA
 CTCAGAGTGCAGTCATGGGCCGACGAGTGTGGAAGCCATTGCCAACTCATCACTAGCTTCTTGGGA
 GCTGCACCGCTGGAGAGCCCTCAGAACGGTCACAGAGCAGCGACAGTGAACCTGATGGCCCTGGTGGC
 CAGAGTTGACAGTGTGGACTGGCTGCAGGTAATGCCATCCACTTCTGATGCATCTCAACCGACTTGAC
 AATTGTAAGGTACAGGCAGATCTTGGGCACCTGCCTGTGGCTCCTTGGGCAGTTCTACTATGGGCCACC
 TGCTTTTGTCTTTATGCTTCTACACTTTCAGAACCTTGGGCTAGACCTCTGCCACAACCCAGAAAAG
 GTTGCATCTATCAGGATGCAGGTGTGGATGCTACATCTAGGGGGGGCAAGGTCTCAGAAATGAGTGCCT
 TCTCCAGAGTTACACTGCAGCTCTGGGTGGGCAGCACAGCCTGGTCTGGATAAGCTCACCAAGGGCAA
 TCTGAAGCAGAAAATGCCAAGCTCTCTTCAGCATAGGCCCTAGTGCCTGCCTTGGAGACACCTTGCCACTC
 CAGGCTACTGTAAGCAAGACTCCATTCTAGTGAGTGAGACACCTATATGCACGTGGGCAGACACTCC
 TATGCACAGTGATGTCTGTTCCCTCTGACCATCCCTCAAGATGGACACTCTCAGTGGTCAGGGGCTTCCC
 TGAAGGCAACTCTGGATGCTGGACACCTGACCACAGAACTCTCAGAGGAATCCGAGTGTGCTGACTACC
 CAGTTCTCTTCTAGACCATGTGTCTGAGAGCCCAGCAGTGTGGAGCCCAGCTGTCAGGAATGGAAGGCT
 CTCCCAACCCAGCCTGGAAAGAAGGTGCTAGCAGAGGAAAGATCACCTCTCCTGGCATCCTGCAGCCTTT
 AAGACCTGGGGGATCCCTTACAGAAACAGTCTTAGCCTTTCGAGCCTTGAAGAGCTGAAGAAAACAGG
 CATGTGGAGACACAGCCCAATAATCCCAGTGTGAGAACTGCAGCGGGAAGAACGTTCAAGGCCAGCCT
 GGGCCATGGCCTCTTCTAAGAAAAGTTGGTACCAACCACTAATGGTCCTTTTCTGCTCTTCTAGTCTCT
 TCTGGGTGGACTCAAGTTGCTCAAAAGTACATTGTTTACTAAGTCCCAGCCTGGCCTCTAGGCCTGGAA
 GCTGTGGCTCTCTGGCCTAACACAGCTCCTCGAAGCCTCATACGCATACCTCATCAGGCAGAACTGGGA
 ATTGAAGTTACATAGACAAAGGCCTTGAGGCCACTGTACCTAAGCCGAGCATGGTAGTTAGGCAAGAACT
 ATGAACAGGTCTTCTGAAGTGACTGCCACTAGTCTGACTTGGGGAATATGGTCCCTTAAACATGCCAAA
 GTGAGCTTTTTAAGTGGATAAGTTAGAGATTTCTCTCCCAAGATGAAACGTGAAGTATAGCTTGTGGGT
 TTTGGCTTGTGCTATAGGCTCTTAAGGTACTTTAGACAAGAGAGGAAGGTGTCTTAGGTGCTGTGCATA
 GACTCACTCCTGGGTGACAGCATTCAATTCTCTATGGTGGTAAAAAGCTGATTAGAGTTTCTGCTGGTGG
 GACTTCCACTTCTACTGGTCTTTTTATTTCAGAAAGTAATAAGCTCTACATGCAACTTGCAAAAAA
 AA

Restriction Sites: RsrII-NotI

ACCN: NM_144832

Insert Size: 564 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC017643](#), [AAH17643](#)

RefSeq Size: 2439 bp

RefSeq ORF: 564 bp

Locus ID: 217370

UniProt ID: [Q3TYS2](#)

Cytogenetics: 11 E2

Gene Summary: Necessary for a stable expression of the CYBA and CYBB subunits of the cytochrome b-245 heterodimer. Controls the phagocyte respiratory burst and is essential for innate immunity. [UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1. Variants 1-3 encode the same isoform (1).