

Product datasheet for **MC226446**

BC017643 (NM_001254735) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BC017643 (NM_001254735) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	BC017643
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226446 representing NM_001254735 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAATGTAGAGACTCATACACGATGGTACTTTCACTTCCCGTTCTTGGTGGGAAGAGTTGTTTCTGGAA
GATTCGGGCTTCAGTTGTGTTTTCCAAGCCTGGTCGGCTGTGCAGTAGAGCCAGGTTCCAAGAATGTA
TATGCAGGTGGAGACACGCACCAGCACCCGCTCCATCTGAAGAGGGCTCCAGGCATCCGGTCTTGGTCC
CTGCTGGTCGGAATATTATCCACTGGCCTGGCTGCTGCCTATTACAGTGGAGATAGTCTGGGCTGGAAGC
TCTTCTATGTACAGGCTGCCTATTTGTGGCTGTACAGAACTTGAAGACTGGGAGGAGGCCATTTTCAA
CAAGAACACTGGGAAGGTCATCTTAAAAACATTACGCCTCTACAAGAAGCTGCTGACTCTTCTCAGAGCG
GGCCACGATCAAGTGGTGGTTCTGTTGAAAGACATCCAGGATGTGAATGTGGAGGAGGAAAAGGTCCGTT
ACTTTGGGAAGGGCTACATGGTGGTGCTCCGTTTGCAACAGGCTTCTCCACCCTCTCACTCAGAGTGC
AGTCATGGGCCGACGCAGTGATGTGGAAGCCATTGCCAACTCATCACTAGCTTCTTGGAGCTGCACCGC
CTGGAGAGCCCTCAGAACGGTCACAGAGCAGCGACAGTGAACCTGATGGCCCTGGTGGCCAGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001254735
Insert Size:	699 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001254735.1, NP_001241664.1</u>
RefSeq Size:	2347 bp
RefSeq ORF:	699 bp
Locus ID:	217370
UniProt ID:	<u>Q3TYS2</u>
Cytogenetics:	11 E2
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] Transcript Variant: This variant (5) differs in the 5' UTR and 5' coding region, and uses an alternate start codon, compared to variant 1. The encoded isoform (3) has a distinct and longer N-terminus, compared to isoform 1.