

Product datasheet for **MC225760**

BC017643 (NM_001252550) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: BC017643 (NM_001252550) Mouse Untagged Clone
Tag: Tag Free
Symbol: BC017643
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225760 representing NM_001252550
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATATGCAGGTGGAGACACGCACCAGCACCCGCTCCATCTGAAGAGGGCTCCAGGCATCCGGTCTT
GGTCCCTGCTGGTCGGAATATTCCACTGGCTGGCTGCTGCCTATTACAGTGGAGGAGCCATTTCA
ACAAGAACACTGGGAAGGTCATCTAAAAACATTCAGCCTCTACAAGAAGCTGCTGACTTCTCAGAGC
GGCCACGATCAAGTGGTGGTTCTGTTGAAAGACATCCAGGATGTGAATGTGGAGGAGGAAAAGGTCCGT
TACTTTGGGAAGGGCTACATGGTGGTGGCTCCGGTTTGCAACAGGCTTCTCCACCCTCTCACTCAGAGTG
CAGTCATGGGCCGACGCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001252550
Insert Size: 372 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).
OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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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:	<ol style="list-style-type: none">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:	<u>NM_001252550.1</u> , <u>NP_001239479.1</u>
RefSeq Size:	2409 bp
RefSeq ORF:	372 bp
Locus ID:	217370
UniProt ID:	<u>Q3TYS2</u>
Cytogenetics:	11 E2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) lacks an exon in the coding region, which results in a frameshift, compared to variant 1. The resulting isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>