

Product datasheet for **MR227971**

BC017643 (NM_001252550) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: BC017643 (NM_001252550) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: BC017643
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR227971 representing NM_001252550
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTATATGCAGGTGGAGACACGCACCAGCACCCGCCTCCATCTGAAGAGGGCTCCAGGCATCCGGTCTT
 GGTCCTGCTGGTCGGAATATTATCCACTGGCCTGGCTGCTGCCTATTACAGTGGAGGAGGCCATTTTCA
 ACAAGAACTGGGAAGGTCATCTTAAAAACATTACGCCTCTACAAGAAGCTGCTGACTCTTCTCAGAGC
 GGGCCACGATCAAGTGGTGGTTCTGTTGAAAGACATCCAGGATGTGAATGTGGAGGAGGAAAAGGTCCGT
 TACTTTGGGAAGGGCTACATGGTGGTCTCCGGTTTGCAACAGGCTTCTCCACCCTCTCACTCAGAGTG
 CAGTCATGGGCCGACGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227971 representing NM_001252550
 Red=Cloning site Green=Tags(s)

MYMQVETRTSTRHLKRAPGIRSWLLVGILSTGLAAAYSGGGHFQEHWEHGLKNIQPLQEAADSSQS
 GPRSSGGSVERHPGCEGGGKGPLLWEGLHGGAPVCNRLPPSHSECSHGPTQ

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:



ACCN: NM_001252550

ORF Size: 369 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:

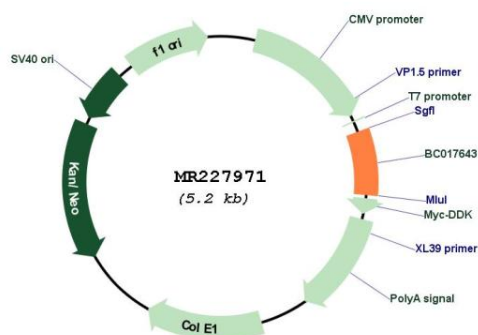
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

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

RefSeq: [NM_001252550.1](#), [NP_001239479.1](#)

RefSeq Size:	2409 bp
RefSeq ORF:	372 bp
Locus ID:	217370
UniProt ID:	<u>Q3TYS2</u>
Cytogenetics:	11 E2
MW:	13.6 kDa
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]

Product images:



Circular map for MR227971