

Product datasheet for **MC208404**

Doc2b (NM_007873) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Doc2b (NM_007873) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Doc2b
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC208404 representing NM_007873
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCCTCCGGCGCGGGGAGAAGGCGACCATCAGCATCCAGGAGCATATGGCCATCGACGTGTGTC
 CCGGCCCCATTCGGCCTATCAAGCAGATCTCCGATTATTTCCCGCTTCCCGCGGGCCCTCCCCCTAC
 CGCGCGCCCCCGGCCCGCGACGACGACGAAGATGTGGACCAGCTCTCCGCAGCCAGCGCCAGCCCCGC
 AGCCCCCTCCGACGCGCCCGCGACGACGACGAAGATGTGGACCAGCTCTCCGAGCCTACGAGCCAGCC
 CAGGCCCCAGCCCCGGCCCCAGCCCCGCGAGGCCCGCCCAAGCCCCCGAGGACGAGCCGGACGTGCA
 CGGCTACGAGTCAGACGACTGCACCGCCCTGGGTACGCTGGACTTCAGTCTGCTCTATGACCAGGAGAAC
 AACGCACTGCACTGCACCATCAGCAAGGCCAAGGGCCTGAAGCCGATGGACCACAATGGACTGGCTGATC
 CCTACGTCAAACCTACACCTGCTGCCTGGAGCCAGCAAGGCAAATAAGCTCAGAACAAAACTCTTCGGAA
 CACCCTGAACCCCTCGTGAACGAGACCCTCACTTATTACGGAATCACGGATGAGGACATGGTCCGAAAG
 ACCCTGAGGATCTCCGTGTGTGATGAGGACAAATCCGCCACAATGAGTTCATTGGAGAGACTCGGGTGC
 CCCTGAAGAAGCTGAAGCCCAATCACACCAAGACATTCAGCATCTGCCTGGAGAAGCAGCTGCCGGTGA
 CAAGGCAGAGGACAAGTCTCTGGAAGAGCGAGGCCGATCCTCATCTCCCTCAAGTACAGCTCACAGAAG
 CAGGGCCTGCTGGTGGGCATCGTGCGCTGTGCACACCTGGCTGCCATGGATGCTAATGGCTACTCGGACC
 CCTATGTGAAAACATATCTGAAGCCAGATGTAGACAAGAAATCCAAGCATAAGACAGCAGTGAAGAAGAA
 AACACTAAACCCAGAATTCAATGAGGAATTCTGTTACGAGATCAAGCATGGAGACCTGGCCAAAAAGACT
 CTGGAGGTCACTGCTGGGATTATGACATTGAAAAATCCAATGATTTTCATCGGTGGTGTGGTTCTGGGCA
 TCAACGCCAAGGGCGAGCGCCTGAAGCACTGGTTTGACTGCTTGAAGAACAAGGACAAGAGGATTGAGCG
 TTGGCACACGCTACCAATGAGCTCCAGGGGCTGACTCAGCGACT**G**A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_007873
Insert Size:	1239 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:	<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_007873.3</u> , <u>NP_031899.2</u>
RefSeq Size:	5068 bp
RefSeq ORF:	1239 bp
Locus ID:	13447
UniProt ID:	<u>P70169</u>
Cytogenetics:	11 B5
Gene Summary:	The protein encoded by this gene is a calcium sensor involved in glucose-stimulated insulin secretion, spontaneous neurotransmitter release, and enhanced SNARE-dependent vesicle fusion. [provided by RefSeq, Sep 2015]