

Product datasheet for MC202785

Boc (NM_172506) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Boc (NM_172506) Mouse Untagged Clone
Tag: Tag Free
Symbol: Boc
Synonyms: 4732455C11; mFLJ00376
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC078631 sequence for NM_172506
 GAGGGATTGGGTGCGCTGGGCGGCGTCCCTGTCCTTGCCCGCTGCTGCCGCCGTGCCACCACGGCT
 CTGGCTTCTGCAGTGGGACCCTGAGCTGGGTCTCGCTGGTGTGAGCTCCGGCCGGCCGATTACACA
 CTCTCGACCTCGTACCGCCGCGGCCACACAAGCCCTTCTCCTCCGGCCGCAACTTCTGGGTCTGGG
 CTCTTTTGTGCTCCGGCTGCGGCCACTCTGCCGTGGTGTGTCTCTTGTGTACCCGCGCTGTGCGTG
 TGTGTGTCGGTGTGCGCGGGGGCGTGTGGCCCTTCTCCGCTTACCACGCGGGACCCGGAGTCCCGCC
 CCCTCTTCCCAGGCTCCGGCTGCAGGCGAGGATTCAGGGGACGGCGGTATCCCTACTTGTATCACACGT
 GGCTTATGGGACTTTGGCTCAGAACCCTCTGTGACACACTGTACCTCGTGGGAAGATGACGACGTGCCGA
 AGAGAGCGGCCTATACTTACACTGCTTTGGATTCTCATGGCCACAGCAGGCTGCCCTGCTGATTTGAATG
 AGGTTCTCAGGTACAGTCCAGCCATGTCCACTGTCCAGAAGCTGGGAGGAAGTGTATCCTGGGCTG
 TGTGGTGGAGCCACCATGGATGAACGTGACTTGGCGCTTCAACGGAAGGAGCTAAATGGCTCTGATGAT
 GCTCTGGGTGTCTTATCACCCGTGGGACCCTTGTCAATTGCTGCCCTCAACAACCACACTGTGGGACGGT
 ACCAGTGTGTGGCACGGATGCCTGCAGGAGCTGTGGCCAGTGTGCCAGCCACAGTACGCTAGCCAACT
 CCAGGACTTTAAATTAGATGTGCAGCATGTGATTGAAGTAGACGAGGGGAACACAGCCGTCATTGCCTGC
 CACCTGCCTGAGAGCCACCCAAAAGCCAGGTCGGGTACAGTGTCAAACAGGAGTGGCTGGAGGCCCTTA
 GAGACAACTACCTGATCATGCCATCCGGGAATCTCAAATTGTCAATGCCAGCCAAGAGGACGAAGGCAT
 GTACAAGTGTGCCGCTACAACCCGGTGACCCAGGAAGTAAAACCTCCGGCTCCGGCGACAGGCTGCGC
 AAGGCCAGAGTCTATACTGGAGTGTGTGGCCAGTGAATCCCACCACCTCGAGTCACATGGGCCAAGGA
 TGGGTCCAGCATTGCTGCCTATAACAAGACTCGCTTCTGCTGAGTAATTTGCTTATTGACACCACAGC
 GAGGAGGACTCAGGCACCTACCGATGTATGGCCAGCAATGGGGTTGGGGATCCTGGGGCAGCAGTATCC
 TCTACAATGTCCAGGTGTTCAACCCCTGAGGTACGGTGGAGCTGTCCAGCTGGTATCCCATGGGG
 CCAGAGTGCAAAGCTCACCTGTGAGGTTGAGGAAACCCCCACCCTCTGTAATGAGGAGTGAATGCA
 GTGCCCTCACCTCCAGCCAGCGCTCCGGCTGTACGTAGAGCCCTGCGGGTGGTCAAGTGTGGCCAG
 AGGACGAAGGCGTGTACCAGTGCATGGGTGAGAATGCGGTTGGCAGTGCCACGCTGTGGTCCAAGTGA
 GACCGCCCGCCAGACACAACCTGAGACCCGGGAGGGATACCAAGCCGATTGCTGCCACACCCCCATG
 CCACCCTCCAGACCCAGCAGACCTGACCAGATGCTTCGGGAACAACCGGGGCTTGTAAAGCCCCAACGT



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CGGTACAGCCTACTTCCCTGAAGTGCCCGGAGAAGAGCAGGTAGCCCTGCAGAGGCACCTATCATCCT
 CAGCTCACCCGGACCTCCAAGACGGACTCCTATGAGCTGGTGTGGCGGCCTCGCCATGAGGGGAGCAGC
 CGGACACCCATCCTGTACTACGTAGTGAAGCATCGTAAGGTCACGAACTCCTCTGACGACTGGACCATTT
 CTGGCATTCCAGCCAACCAGCACCGCCTCACCTGACCAGGCTTGACCCTGGAAGCTTGTACGAAGTGGA
 GATGGCAGCCTACAACCTGTGCTGGCGAGGGCCAGACAGCTATGGTCACCTCCGAACAGGACGGCGGCC
 AAACCTGAGATCGTGGCCAGTAAGGAGCAGCAGATCCAGAGAGATGACCCTGGTGCCAGTCTCCAGAGCA
 GCAGCCAGCCTGACCATGGCCGCCTCCCCCCAGAAAGCTCCAGACAGACCCACCATCTCCACAGCTTC
 TGAGACCTCCGTGTACGTAACTGGATTCCCCGAGGGAACGGCGGCTTCCCGATTCACTCTTTCCGTGTA
 GAGTACAAGAAGCTAAAAAAGTGGGAGATTGGATACTGGCTACCACTGCCATACCTCCCTCGAGGCTCT
 CTGTGGAGATCACAGGCCTAGAGAAAGTATTTCTTACAAGTTCCGAGTTCGTGCTTTGAACATGTTAGG
 GGAGAGTGAGCCAGTGCCTCCCTCCCGCCCTACGTGGTGTGAGGCTACAGTGGCCGTGTATATGAGAGG
 CCCGTGGCAGGACCTTACATCACCTTCACTGATGCAGTCAATGAGACCACTATTATGCTCAAGTGGATGT
 ATATCCCAGCCAGTAACAACAACACCCCAATCCATGGCTTCTATATCTACTACCGACCCACAGACAGTGA
 CAATGACAGTGACTACAAGAAGGACATGGTAGAAGGGGACAGGACTGGCACTCCATCAGCCACCTGCAG
 CCAGAGACTTCTATGACATTAATAATGCAGTGTTCATGAAGGAGGGGAGAGCGAGTTCAGCAATGTCA
 TGATCTGCGAGACCAAAGCTCGGAAATTTCTGGTCAGCCTGGAAGACCCCACTTACTCTAGCTCC
 ACCACAGCCTCCGCCCTAGAAACCATGGAACGGCCGGTGGGCACTGGAGCCATGGTGGCACGGGCCAGC
 GACCTGCCTATCTGATTGTGCGGGTGTCTGGGCTCTATAGTCCTCATCATCGTCACCTTCATCCCT
 TCTGCCTATGGAGGGCCTGGTCTAAGCAGAAACACACAACAGATCTGGGTTTTCTCGGAGTGCCCTCCT
 GTCTTCTCATGCCAGTACAAATGGTGCCATTGGAGGGACTTCCAGGTCACCAAGCCAACGGGCAGCCC
 TACCTTGGTGGGTCAGTGGACGGGCCTGTGTGAGTGCAGTGCACGGAAGCAGGGGCTGCCCTGTGCTA
 CAGTGGGCTGCCAGGCAGGAAGCCTCAGCAGCACTGCCAGGGGAGCTTGCCAGCAGCGGGAAGACAC
 CAACAGCCAACCTGAGGCAGCCATTGTTAGCAACGGATATGACCTCCAGAACCAGCAGGTTGCCAGAGGT
 CCCCAGTGTGCCTCAGGAGTAGGAGCTTTCTTATACACGCTGCCTGATGACTCAACTCACCAGCTGCTCC
 AACCTCAAGACTGCTGTACCTCCAGAAGCAACCCGTACCCACATGCCAAACAGCAGTGAGCGAACGTC
 TGAAAGTCTGGACTAGAATCTTCATGGGACCCTCCATATCATTAGGGCCCGGTGCTGTTTAGGTCTT
 GTACCAGTTGAAGAAGTAGACAGTTCTGACTCCTGCCAAGTGGGTGGAGGAGACTGGAGTCCCAGCATC
 CATCAGGGACCTACACAGGACAGGAACGTGGGATGCGGTTCTCGCTAGCCCATCAGTTCATGTGCCTT
 TGAAACACCACCTCCACAATTTAGGCTGAAGCTAATATCCAGAAAGACTATATATTGTTTGTGTTT
 GTTTGTTGACAGAGAAAAATTGGTATTTATTTTCTATTATAGCCATATTTATATATTTATGCACTTGTA
 AATAAATGTATATGTGTTTCTATAATTCTGGAGAGATATGGAATCCTCCCCTTTCTGGCACAAGACAGAA
 AGCAAGCAGCTGAGTAACCTGGAGACCAGTGGAAATGAGTATCATAGATGGTCAGGCTGCAGATGGATCCC
 AGAACCTGCAGCTACCACGGACACCAGGAGGCCCTCGGGCCACTTGGTGGAAAGACCTACGCACACTGT
 TCATGAAGAACACAGGGATAAAGCAAAGGCCATCATGCCGACAGCTGGAGCCACCTGGAAGCCACTCCAA
 TTTGGTGGCACAGGACAGGTTTCCAAGATGTCACGAGAAAAGCCAGATGTGTACAGCACTTAAGCAT
 TAACAGTCTCCAGAATCAATAATCGGTGGCAACATATCTCTGTAAAAACAAACTGTAACCTTCTAAAT
 AAATGTTTAGTCTTCTTGTAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_172506
Insert Size: 3330 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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.

RefSeq: [BC078631](#), [AAH78631](#)

RefSeq Size: 4376 bp

RefSeq ORF: 3330 bp

Locus ID: 117606

UniProt ID: [Q6AZB0](#)

Cytogenetics: 16 B4

Gene Summary: Component of a cell-surface receptor complex that mediates cell-cell interactions between muscle precursor cells. Promotes differentiation of myogenic cells.[UniProtKB/Swiss-Prot Function]