

Product datasheet for MR211692

Mybpc2 (NM_146189) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Mybpc2 (NM_146189) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Mybpc2 |
| Synonyms: | MGC28149 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR211692 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC

ATGCTGAGGCTAAACCAGCGGCCAAAAAGGCCTCCAAGGCCAAAGATGCCCAAAGGAAGCCCCTGCAA
AGCAGACTCCTGAAGAGCCCCCAAAGAGGCCACCTGAGGACCAATCCCCAAGTGGGAGGAGCCCAC
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GTGATTGATGACGTCCGCCCTGAGGATGAGGGAGACTACACATTCGTGCCCGATGGCTATGCCCTATCCC
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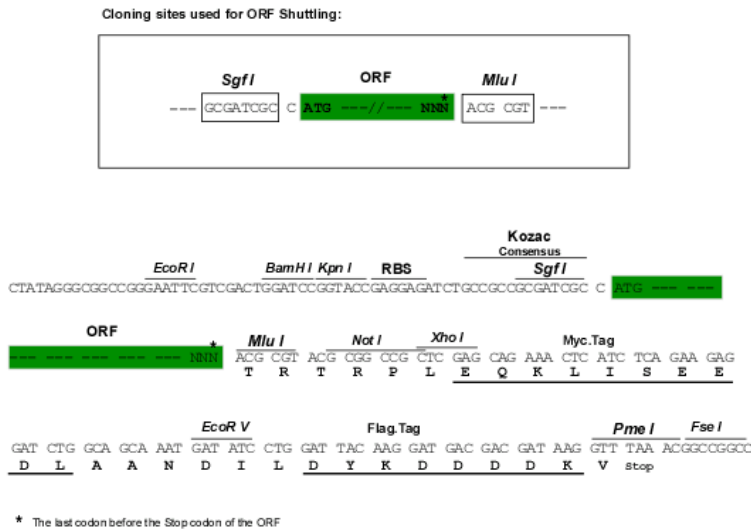
ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211692 protein sequence
 Red=Cloning site Green=Tags(s)

MPEAKPAAKKASKGKDAPKEAPAKQTPEEPPKEAPPEDQSPTAEPTGIFLKKPDSVSVETGKDAVILAK
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 DSCSFNVDVEAPRQDSSGQSLSEFKRSGDGKSEDAGELDF SGLLKKREVVEEEKKKKDDDDL GIPPEIW
 ELLKGAKKSEYEKIAFQYGITDLRGLKRLKAKVEVKKSAAFKKLDPAYQVDRGNKIKLVEISDPDL
 PLKWFKNQGEIKPSSKYVFENVGKKRILTINKCTLADDAAYEVAVQDEKCFTEL FVKEPPVLIVTPLEDQ
 QVFGDRVEMSVSEEGAQVMWMDGVEMTREDSYKARYRFKDKGRHIL IYSDVAQEDGGRYQVITNG
 GQCEAELIVEEKQLEVLQDIADLTVKAAEQAVFKCEVSDEKVTGKWKYNGVEVRPSKRITISHVGRFHKL
 VIDDRPEDEGDYTFVPDGYALSLAKLNFL EIKVEYVPKQEPPIHLDCSGKTS DNSIVVAGNKLRLD
 VAITGEPPTATWLRGDEVFTATEGRTHIEQRPCSSFVIESAERSDEGRYTIKVTNPAGEDVASIFLRV
 VDVPDPPEAVRVT SVGEDWAILVWEPKYDGGQPV TGYLMERKKKGSQRWMKINFEVFTD TTYESTKMIE
 GVL YEMRVF AVNAIGVSQPSMNTKPFMPIAPTSAPQHLTVEDVDT TTTTLKWRPPDRIGAGGIDGYLVEY
 CLEGSEEWYPANKEPVERCGFTVKDLPTGARILFRVVG VNIAGRSEPTLLQPVTIREIVEQPKIRLPRH
 LRQTYIRKVG EALNLVIPFQGKPRPQVWTKGGAPL DTSRVNVRTSDFDVFVFRQAARSDSGEYELSVQ
 IENMKDTATIRIRVVEKAGPAENVMVKEVWGTNALVEWQPPKDDGNSEITGYFVQKADKKTMEWFNVYEH
 NRHTSCTVSDLIVGNEYFRIF SENICGLSDSPGVSKNTARILKTGITL KPLEYKEHDFRTAPKFLTPLM
 DRVVVAGYTAALNCAVRGHPKPKVVMKNKMEIHEDPKFLITNYQGIL TLNIRRPPSPFDAGTYS CRAFTNE
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI
Cloning Scheme:

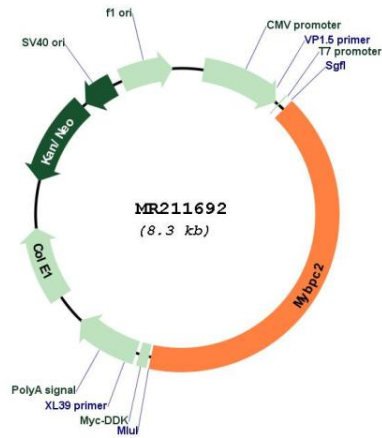


ACCN: NM_146189

ORF Size: 3411 bp

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| 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: | <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: | NM_146189.1 |
| RefSeq Size: | 3624 bp |
| RefSeq ORF: | 3411 bp |
| Locus ID: | 233199 |
| UniProt ID: | Q5XKE0 |
| Cytogenetics: | 7 B3 |
| MW: | 127.3 kDa |
| Gene Summary: | Thick filament-associated protein located in the crossbridge region of vertebrate striated muscle a bands. In vitro it binds MHC, F-actin and native thin filaments, and modifies the activity of actin-activated myosin ATPase. It may modulate muscle contraction or may play a more structural role (By similarity).[UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for MR211692