

Product datasheet for **SC332262**

MYBPC1 (NM_001254722) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MYBPC1 (NM_001254722) Human Untagged Clone
Tag: Tag Free
Symbol: MYBPC1
Synonyms: LCCS4; MYBPCC; MYBPCS; MYOTREM; ssMyBP-C
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332262 representing NM_001254722.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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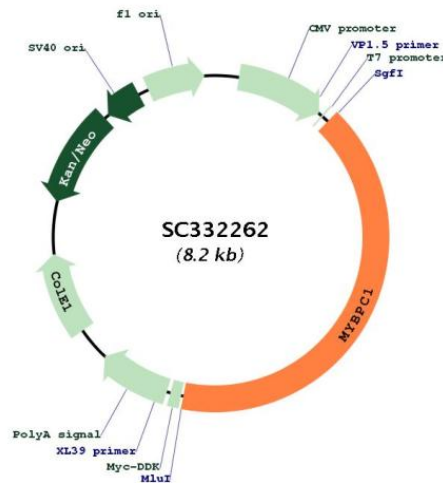
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Restriction Sites:

SgfI-MluI

Plasmid Map:



ACCN:

NM_001254722

Insert Size:

3363 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:

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_001254722.1](#)

RefSeq Size: 3841 bp

RefSeq ORF: 3363 bp

Locus ID: 4604

UniProt ID: [Q00872](#)

Cytogenetics: 12q23.2

MW: 126.4 kDa

Gene Summary: This gene encodes a member of the myosin-binding protein C family. Myosin-binding protein C family members are myosin-associated proteins found in the cross-bridge-bearing zone (C region) of A bands in striated muscle. The encoded protein is the slow skeletal muscle isoform of myosin-binding protein C and plays an important role in muscle contraction by recruiting muscle-type creatine kinase to myosin filaments. Mutations in this gene are associated with distal arthrogyriposis type I. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]
Transcript Variant: This variant (9) lacks four consecutive exons in the 5' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (9) is shorter than isoform 1.