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Product datasheet for SC204472

MYBPC3 (NM_000256) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MYBPC3 (NM_000256) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MYBPC3
Synonyms:	CMD1MM; CMH4; cMyBP-C; FHC; LVNC10; MYBP-C
ACCN:	NM_000256
Insert Size:	367 bp
Insert Sequence:	>SC204472 3'UTR clone of NM_000256 The sequence shown below is from the reference sequence of NM_000256. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TGCCGCCTGGAGGTGCGAGTGCCTCAGTGACCAGGCTGGCTCCTGGGGATGGCCAGGTACAACCGGATG CCAGCCCCGTGCCAGGAGCCTGGAGGGAAGTTGGGGAAACCCCTCCCTACTGTTGGATGTATGTGTGAC AAGTGTGTCTCCTGTGCTGCGATGGGGGATCAGCAGGGCAGTTGTCGGGCAGTCCTGAGTGGGTGTTGC ACAGACTGGTCCACAGGGCTCCTGAAGGAAGCCCCTGGATCTTTGGGGTAAAAGGAGGGTGGCCTCAAG AAACAATGTCTGGGGACAGGCCTTTCTGGCCTGCTATGTCTTCCCAATGTTTATTGGGCAATAAAAGAT AAGTGCAGTCACAGAGAACTCA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_000256.3

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Summary: MYBPC3 encodes the cardiac isoform of myosin-binding protein C. Myosin-binding protein C is a myosin-associated protein found in the cross-bridge-bearing zone (C region) of A bands in striated muscle. MYBPC3, the cardiac isoform, is expressed exclussively in heart muscle. Regulatory phosphorylation of the cardiac isoform in vivo by cAMP-dependent protein kinase (PKA) upon adrenergic stimulation may be linked to modulation of cardiac contraction. Mutations in MYBPC3 are one cause of familial hypertrophic cardiomyopathy. [provided by RefSeq, Jul 2008]

Locus ID: 4607

MW: 13