

Recombinant Human MYBPC2 protein, MYC/DDK-tagged

Cat. No. MYBPC2-290H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYBPC2 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a member of the myosin-binding protein C family. This family includes the fast-, slow- and cardiac-type isoforms, each of which is a myosin-associated protein found in the cross-bridge-bearing zone (C region) of A bands in striated muscle. The protein encoded by this locus is referred to as the fast-type isoform. Mutations in the related but distinct genes encoding the slow-type and cardiac-type isoforms have been associated with distal arthrogryposis, type 1 and hypertrophic cardiomyopathy, respectively.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	127.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	MYBPC2 myosin binding protein C, fast type [Homo sapiens]
Official Symbol	MYBPC2
Synonyms	MYBPC; MYBPCF; C-protein, skeletal muscle fast isoform; fast MyBP-C; fast-type muscle myosin-binding-protein C
Gene ID	4606
mRNA Refseq	NM_004533
Protein Refseq	NP_004524
MIM	160793
UniProt ID	Q14324
Chromosome Location	19q13.33
Pathway	Muscle contraction, organism-specific biosystem; Striated Muscle Contraction, organism-specific biosystem; Striated Muscle Contraction, organism-specific biosystem
Function	actin binding; protein binding; structural constituent of muscle

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