

Recombinant Mouse Mybpc2 Protein, Myc/DDK-tagged

Cat. No. Mybpc2-4235M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length myosin binding protein C, fast-type (Mybpc2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	127.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Mybpc2 myosin binding protein C, fast-type [Mus musculus (house mouse)]
Official Symbol	Mybpc2
Synonyms	Mybpc2; myosin binding protein C, fast-type; myosin-binding protein C, fast-type; fast MyBP-C; fast-type C-protein
Gene ID	233199
mRNA Refseq	NM_146189
Protein Refseq	NP_666301
UniProt ID	Q5XKE0

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