

Recombinant Rat MYBPC3 Protein (645-864 aa), His-tagged

Cat. No. MYBPC3-1467R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat MYBPC3 Protein (645-864 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Rat
Source	Yeast
ProteinLength	645-864 aa
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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	26.1 kDa
AA Sequence	PKIHLDCPGSTPDTIVVAGNKLRLDVPISGDPAPTVIWQKTITQGKKASAGPPP GAP EDAGADEEWWFDKLLCETEGRVRVETTKDRSVFTVEGAEKEDEGVYTVTVKNPV GEDQVNLTVKVIDVPDAPAAPKISNVGEDSCIVQWEPPAYDGGQPVLGYILERKKKK SYRWMRLNFDLLRELSHEARRMIEGVAYEMRVYAVNAVGMSRSPSPASQPF
Purity	> 90% as determined by SDS-PAGE.

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

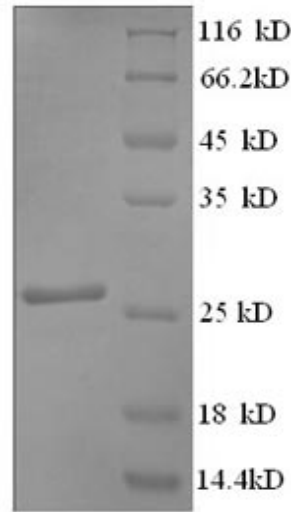
GENE INFORMATION

Gene Name	Mybpc3 myosin binding protein C, cardiac [Rattus norvegicus]
Official Symbol	MYBPC3
Synonyms	MYBPC3; myosin binding protein C, cardiac; cardiac MyBP-C;
Gene ID	295929
mRNA Refseq	NM_001106490
Protein Refseq	NP_001099960
UniProt ID	P56741

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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