

Recombinant rat Myosin-binding protein C, cardiac-type

Catalog No: #AP72693

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Package Size: #AP72693-1 20ug #AP72693-2 100ug #AP72693-3 1mg

Description

Product Name	Recombinant rat Myosin-binding protein C, cardiac-type
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:645-864aaSequence Info:Partial
Other Names	C-protein, cardiac muscle isoform
Accession No.	P56741
Uniprot	P56741
GeneID	295929;
Calculated MW	26.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	PKIHLDCPGSTPDTIVVVAGNKLRLDVPIISGDPAPTIVIQKTTITQGKKASAGPPPGAPEDAGADEEWWFDKLL CETEGRVRVETTKDRSVFTVEGAKEDEGVYTVTVKNPVGEDQVNLTVKVIDVPDAPAAPKISNVGEDSCIVQ WEPPAYDGGQPVLGYILERKKKKSYRWMRLNFDLLRELSHEARRMIEGVAYEMRVYAVNAVGMSPSPASQ PF
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

Mural R.J., Adams M.D., Myers E.W., Smith H.O., Venter J.C.Cardiac myosin-binding protein C (MyBP-C) identification of protein kinase A and protein kinase C phosphorylation sites.Mohamed A.S., Dignam J.D., Schlender K.K.Arch. Biochem. Biophys. 358:313-319(1998)Research Topic:Others

Note: This product is for in vitro research use only