

PRODUCT DATA SHEET

Myosin-binding protein C cardiac-type Human E. coli

Cat. No.: RD172470100

Size: 0.1 mg

Source: E. coli

Type: Recombinant protein

Species: Human

Other Names:

Cardiac MyBP-C, C-protein, cardiac muscle isoform, MYBPC3, Myosin Binding Protein-C3, cMyC

Description:

Total 281 AA. MW: 29.6 kDa (calculated). UniProtKB acc.no. Q14896 (Met1-Phe271). N-terminal his-tag (10 extra AA). Protein identity confirmed by MS.

Amino Acid Sequence:

MKHHHHHHAS MPEPGKKPVS AFSKKPRSVE VAAGSPAVFE AETERAGVKV RWQRGGSDIS
ASNKYGLATE GTRHTLTVRE VGPADQGSYA VIAGSSKVKF DLKVIEAEKA EPMLAPAPAP
AEATGAPGEA PAPAAELGES APSPKGSSSA ALNGPTPGAP DDPIGLFVMR PQDGEVTVGG
SITFSARVAG ASLLKPPVVK WFKGKWVDLS SKVGQHLQLH DSYDRASKVY LFEHITDAQ
PAFTGSYRCE VSTKDKFDCS NFNLTVHEAM GTGDLDLLSA F

Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized in 20 mM Tris buffer, 50 mM NaCl, pH 7.5

Reconstitution:

Add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

Quality Control:

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

Endotoxin level determination.

Applications:

ELISA, Western blotting

Note:

This product is intended for research use only.