

Recombinant Human MYBPC1 293 Cell Lysate

Cat. No. MYBPC1-4042HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for myosin binding protein C, slow type (MYBPC1), transcript variant 4 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

MYBPC1 myosin binding protein C, slow type [Homo sapiens]

Official Symbol

MYBPC1

Synonyms

MYBPC1; myosin binding protein C, slow type; myosin-binding protein C, slow-type; slow MyBP-C; skeletal muscle C-protein; C-protein, skeletal muscle slow isoform; MYBPCC; MYBPCS;

Gene ID

4604

mRNA Refseq

NM_001254718

Protein Refseq

NP_001241647

MIM

160794

UniProt ID

Q00872

**Chromosome
Location**

12q32

Pathway

Muscle contraction, organism-specific biosystem; Striated Muscle Contraction, organism-specific biosystem; Striated Muscle Contraction, organism-specific biosystem;

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Function

actin binding; structural constituent of muscle; titin binding;

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