

Myosin Heavy Chain 7, Cardiac Muscle, Beta (MYH7) Recombinant Protein | MYH7 recombinant protein

Recombinant Myosin Heavy Chain 7, Cardiac Muscle, Beta (MYH7)

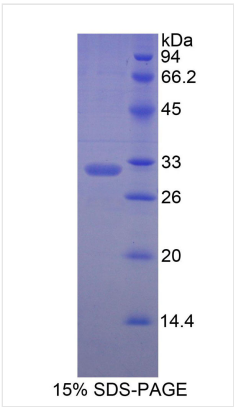
CATALOG # AAA134695	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Myosin Heavy Chain 7; Cardiac Muscle; Beta (MYH7); Recombinant Myosin Heavy Chain 7; MYH7 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% strehalose, 0.01% sarcosyl, and preservative.
Sequence	The target protein is fused with N-terminal His-tag, its sequence is listed below. MGHHHH HHSSEF-RS VNDLTSQRAK LQTENGELSR QLDEKEALIS QLTRGKLTYT QQLEDLKRQL EEEVKAKNAL AHALQSARHD CDLLREQYEE ETEAKAELQR VLSKANSEVA QWRTKYETDA IQRTEELEEA KKKLAQRLQE AEEAVEAVNA KCSSLEKTKH RLQNEIEDLM VDVERSNAAA AALDKKQRNF DKILA EWKQK YEESQSELES SQKEARSLST ELFKLKNAYE ESLEHLETFK RENKNLQEEI SDLTEQL
Sequence Length	1935
Applicable Applications for MYH7 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Arg1268~Leu1516
Tags	N-terminal His Tag
Subcellular Location	Plasma
Traits	Freeze-dried powder
Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	115496169
NCBI GeneID	4625
NCBI Accession #	NP_000248.2
NCBI GenBank Nucleotide #	NM_000257.2
UniProt Accession #	P12883; Q14836; Q14837; Q14904; Q16579; Q2M1Y6; Q92679; Q9H1D5; Q9UDA2; Q9UMM8; A2TDB6; B6D424
Molecular Weight	Predicted isoelectric point: 5.3 Predicted Molecular Mass: 30.2kDa Accurate Molecular Mass: 30.2kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	myosin-7
NCBI Official Synonym Full Names	myosin, heavy chain 7, cardiac muscle, beta
NCBI Official Symbol	MYH7
NCBI Official Synonym Symbols	CMH1; MPD1; SPMD; SPMM; CMD1S; MYHCB
NCBI Protein Information	myosin-7; myHC-beta; myhc-slow; myopathy, distal 1; myosin heavy chain 7; beta-myosin heavy chain; myosin heavy chain (AA 1-96); myosin heavy chain slow isoform; rhabdomyosarcoma antigen MU-RMS-40.7A; myosin heavy chain, cardiac muscle beta isoform; myosin, heavy polypeptide 7, cardiac muscle, beta
UniProt Protein Name	Myosin-7
UniProt Gene Name	MYH7
UniProt Synonym Gene Names	MYHCB; MyHC-slow; MyHC-beta
UniProt Entry Name	MYH7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.