

Recombinant Human MYH7B protein, His & GST-tagged

Cat. No. MYH7B-1481H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYH7B aa. (Asn829~Leu1106 (Accession # A7E2Y1)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asn829~Leu1106
Description	The myosin II molecule is a multi-subunit complex consisting of two heavy chains and four light chains. This gene encodes a heavy chain of myosin II, which is a member of the motor-domain superfamily. The heavy chain includes a globular motor domain, which catalyzes ATP hydrolysis and interacts with actin, and a tail domain in which heptad repeat sequences promote dimerization by interacting to form a rod-like alpha-helical coiled coil. This heavy chain subunit is a slow-twitch myosin. Alternatively spliced transcript variants have been found, but the full-length nature of these variants is not determined.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 61.8kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	5.1

GENE INFORMATION

Gene Name	MYH7B myosin heavy chain 7B [Homo sapiens (human)]
Official Symbol	MYH7B
Synonyms	MYH7B; myosin heavy chain 7B; MHC14; MYH14; myosin-7B; U937-associated antigen; antigen MLAA-21; myosin heavy chain 7B, cardiac muscle beta isoform; myosin, heavy chain 7B, cardiac muscle, beta; myosin, heavy polypeptide 7B, cardiac muscle, beta; slow A MYH14
Gene ID	57644
mRNA Refseq	NM_020884.4

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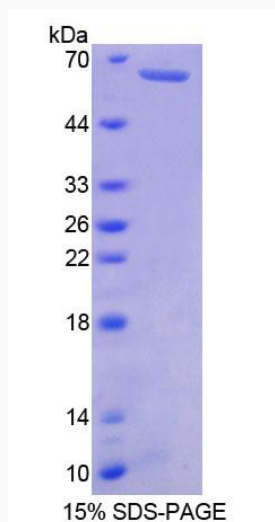
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Protein Refseq NP_065935.3

UniProt ID A7E2Y1

SDS-PAGE



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