

Recombinant Human MYH3 protein, His-tagged

Cat. No. MYH3-8016H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYH3 aa. (Glu1403~Arg1645 (Accession # P11055)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu1403~Arg1645
Description	Myosin is a major contractile protein which converts chemical energy into mechanical energy through the hydrolysis of ATP. Myosin is a hexameric protein composed of a pair of myosin heavy chains (MYH) and two pairs of nonidentical light chains. This gene is a member of the MYH family and encodes a protein with an IQ domain and a myosin head-like domain. Mutations in this gene have been associated with two congenital contracture (arthrogryposis) syndromes, Freeman-Sheldon syndrome and Sheldon-Hall syndrome.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.6kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Characteristic	The isoelectric point is 5.3.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein 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% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	MYH3 myosin heavy chain 3 [Homo sapiens (human)]
Official Symbol	MYH3
Synonyms	MYH3; myosin heavy chain 3; DA8; DA2A; DA2B; HEMHC; SMHCE; MYHSE1; MYHC-EMB; myosin-3; myosin heavy chain, fast skeletal muscle, embryonic; myosin, heavy chain 3, skeletal muscle, embryonic; myosin, heavy polypeptide 3, skeletal muscle, embryonic; myosin, skeletal, heavy chain, embryonic 1
Gene ID	4621

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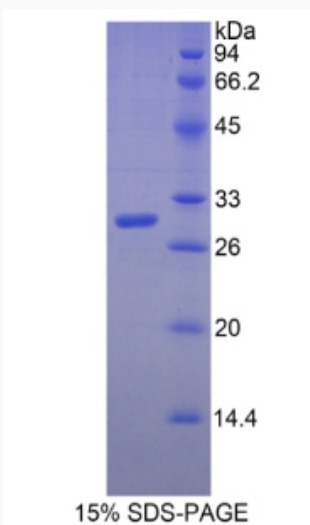
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mRNA Refseq NM_002470.3

Protein Refseq NP_002461.2

UniProt ID P11055

SDS-PAGE



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