

Recombinant Human MYH8 Protein, His-tagged

Cat. No. MYH8-2469H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYH8 Protein (Ile817-Glu1081) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ile817-Glu1081
Description	Myosins are actin-based motor proteins that function in the generation of mechanical force in eukaryotic cells. Muscle myosins are heterohexamers composed of 2 myosin heavy chains and 2 pairs of nonidentical myosin light chains. This gene encodes a member of the class II or conventional myosin heavy chains, and functions in skeletal muscle contraction. This gene is predominantly expressed in fetal skeletal muscle. This gene is found in a cluster of myosin heavy chain genes on chromosome 17. A mutation in this gene results in trismus-pseudocamptodactyly syndrome.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.7 kDa Accurate Molecular Mass: 38 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	MYH8 myosin heavy chain 8 [Homo sapiens (human)]
Official Symbol	MYH8
Synonyms	MYH8; myosin heavy chain 8; DA7; MyHC-pn; gtMHC-F; MyHC-peri; myosin-8 fetal-myosin heavy chain myHC-perinatal myosin heavy chain, skeletal muscle, perinatal myosin, heavy chain 8, skeletal muscle, perinatal myosin, heavy polypeptide 8, skeletal muscle, perinatal
Gene ID	4626

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mRNA Refseq	NM_002472
Protein Refseq	NP_002463
MIM	160741
UniProt ID	P13535
	