

Recombinant Mouse Myh3 Protein, Myc/DDK-tagged

Cat. No. Myh3-4245M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length myosin, heavy polypeptide 3, skeletal muscle, embryonic (Myh3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
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.
Molecular Mass	224.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Myh3 myosin, heavy polypeptide 3, skeletal muscle, embryonic [Mus musculus (house mouse)]
Official Symbol	Myh3
Synonyms	MYH3; myosin, heavy polypeptide 3, skeletal muscle, embryonic; myosin-3; myosin heavy chain 3; embryonic skeletal myosin heavy chain isoform; Myhse; Myhs-e; MyHC-emb
Gene ID	17883
mRNA Refseq	NM_001099635
Protein Refseq	NP_001093105
UniProt ID	P13541

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