

Recombinant Human MYH4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MYH4-1256H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MYH4 MS Standard C13 and N15-labeled recombinant protein (NP_060003) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Muscle contraction.
Molecular Mass	222.9 kDa
AA Sequence	MSSDSEMAIFGEAAPFLRKSEKERIEAQNKPFDAKTSVFVDPKESYVKAIVQSREG GKVTAKTEAGATVTVKEDQVFMSNPPKYDKIEDMAMMTHLHEPAVLNLYKERYAAW MIYTYSGLFCVTVPYKWLVPVYNPEVVTAYRGKKRQEAPPHIFSISDNAYQFMLTDR ENQSILITGESGAGKTVNTKRVIQYFATIAVTGEKKKEEPASGKMQGTLEDQIISANPL LEAFGNAKTVRNDNSSRFGKFIRIHFGATGKLASADIETYLLEKSRVTFQLKAERSYHI FYQILSNKKPELIEMLLITTPYDFAFVSQGEITVPSIDDQEELMATDSAVDILGFTADE KVAIYKLTGAVMHYGNMFKQKQREEQAEPDGTEVADKAAYLTSLNSADLLKSLCY PRVKVGNEFVTKGQTVQQVYNAVGALAKAIYEKMFLWMVTRINQQLDTKQPRQYFI GVLDIAGFEIFDFNSLEQLCINFTNEKLQQFFNHMHMFVLEQEEYKKEGIEWEFIDFGM DLAACIELIEKPMGIFSILEEECMFPKATDTSFKNKLYEQHLGKSNNFQKPKPAKGKP EAHFSLVHYAGTVDYNIAGWLDKNKDPLNETVVGLYQKSAMKTLAFLFSGAQTAEA EGGGGKKGKKKGSSFQTVSALFRENLNKLMTNLRSTHPHFVRCIIPNETKTPGAM

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 45-1 Ramsey Road, Shirley, NY 11967, USA

EHELVLHQLRCNGVLEGIRICRKGFP SRILYADFKQRYKVLNASAIPEGQFIDSKKAS
 EKLLGSIEIDHTQYKFGHTKVFFKAGLLGTLEEMRDEKLAQLITRTQAICRGFLMRVE
 FRKMMERRESIFCIQYNIRAFMNVKHWPMKLYFKIKPLLKSAETEKEMANMKEEFE
 KTKHEELAKTEAKRKELEEKMVTLMQEKNLQLQVQAEADALADAEERCDQLIKTKIQ
 LEAKIKEVTERAEDEEEINAELTAKKRKLEDECSELKKDIDDLELTLAKVEKEKHATEN
 KVKNLTEEMAGLDETIAKLTKEKKALQEAHQQTLDLQMEEDKVNTLTAKTKLEQQ
 VDDLEGSLEQEKKLCMDLERAKRKLEGDLKLAQESTMDTENDKQQLENEKLKKKEFE
 MSNLQGGKIEDEQALAIQLQKKIKELQARIEELEEIEAERASRAKAEKQRSLSRELEE
 ISERLEEAGGATSAQIEMNKKREAEFQKMRRDLEESTLQHEATAAALRKKHADSVAE
 LGEQIDSLQRVKQKLEKEKSELKMEINDLASNMETVSKAKANFEKMCRTLEDQLSEI
 KTKEEEQQRLINELSAQKARLHTESGEFSRQLDEKDAMVSQLSRGKQAFQTQQIEELK
 RQLEEETKAKSTLAHALQSARHDCDLLREQYEEEQEAKAELQRGMSKANSEVAQW
 RTKYETDAIQRTTEELEEAKKKLAQRLQDAEEHVEAVNSKASLEKTKQRLQNEVEDL
 MIDVERSNACIALDKKQRNFDKVLAEWKQKYEETQAELEASQKESRSLSTELFKVK
 NAYEESLDHLETCLKRENKNLQQEISDLTEQIAEGGKHIHELEKVKKQLDHEKSELQTS
 LEEAEASLEHEEGKILRIQLELNQVKSEIDRKIAEKDEELDQLKRNLHRVVEISMOSTL
 DAEIRSRNDALRIKKKMEGDLNEMEIQNLNANRQAAEALRNLRNTQGILKDTQLHLD
 DAIRGQDDLKEQLAMVERRANLMQAEVEELRASLERTERGRKMAEQELLDASERV
 QLLHTQNTSLINTKKKLETDISQIQGEMEDIVQEARNAEEKAKKAITDAAMMAEELKK
 EQDTSAPHLERMKKNMEQTVKDLQLRLDEAEQLALKGGKKQIQKLEARVRELESEVE
 SEQKHNVAVKGLRKHERRVKELTYQTEEDRKNILRLQDLVDKLQTKVKAYKRQAE
 EAEQSNVNLAKFRKLQHELEEAKEKADIAESQVNKLVRVKSREVHTKVISEETRTRP
 LEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

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Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MYH4 myosin heavy chain 4 [Homo sapiens (human)]

Official Symbol MYH4

Synonyms MYH4; myosin, heavy chain 4, skeletal muscle; myosin, heavy polypeptide 4, skeletal muscle; myosin-4; MYH2B; MyHC 2B; MyHC IIb; myosin heavy chain 4; myosin heavy chain 2b; myosin heavy chain IIb; myosin heavy chain, skeletal muscle, fetal; MyHC-2B; MyHC-IIb;

Gene ID 4622

mRNA Refseq NM_017533

Protein Refseq NP_060003

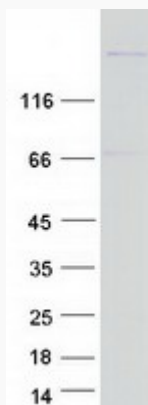
MIM 160742

UniProt ID Q9Y623

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SDS-PAGE

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