

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

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

## SPECIFICATION

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

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

EHELVLHQLRCNGVLEGIRICRKGFP SRILYADFKQRYKVLNASAIPEGQFIDSKKAS  
 EKLLGSIEIDHTQYKFGHTKVFFKAGLLGTLEEMRDEKLAQLITRTQAICRGFLMRVE  
 FRKMMERRESIFCIQYNIRAFMNVKHWPWMKLYFKIKPLLKSAETEKEMANMKEEFE  
 KTKHEELAKTEAKRKELEEKMVTLMQEKNLQLQVQAEADALADAEERCDQLIKTKIQ  
 LEAKIKEVTERAEDEEEINAELTAKKRKLEDECSELKKDIDDLELTLAKVEKEKHATEN  
 KVKNLTEEMAGLDETIAKLTKEKKALQEAHQQTLDLQMEEDKVNTLTAKTKLEQQ  
 VDDLEGSLEQEKKLCMDLERAKRKLEGDLKLAQESTMDTENDKQQNEKLKKKEFE  
 MSNLQGGKIEDEQALAIQLQKKIKELQARIEELEEIEAERASRAKAEKQRSLSRELEE  
 ISERLEEAGGATSAQIEMNKKREAEFQKMRRDLEESTLQHEATAAALRKKHADSVAE  
 LGEQIDSLQRVKQKLEKEKSELKMEINDLASNMETVSKAKANFEKMCRTLEDQLSEI  
 KTKEEEQQRLINELSAQKARLHTESGEFSRQLDEKDAMVSQLSRGKQAFQTQQIEELK  
 RQLEEETKAKSTLAHALQSARHDCDLLREQYEEEQEAKAELQRGMSKANSEVAQW  
 RTKYETDAIQRTTEELEEAKKKLAQRLQDAEEHVEAVNSKASLEKTKQRLQNEVEDL  
 MIDVERSNAACIALDKKQRNFDKVLAEWKQKYEETQAELEASQKESRSLSTELFKVK  
 NAYEESLDHLETCLKRENKNLQQEISDLTEQIAEGGKHIHELEKVKKQLDHEKSELQTS  
 LEEAEASLEHEEGKILRIQLELNQVKSEIDRKIAEKDEELDQLKRNLHRLRVESMQSTL  
 DAEIRSRNDALRIKKKMEGDLNEMEIQNLNANRQAAEALRNLRNTQGILKDTQLHLD  
 DAIRGQDDLKEQLAMVERRANLMQAEVEELRASLERTERGRKMAEQELLDASERV  
 QLLHTQNTSLINTKKKLETDISQIQGEMEDIVQEARNAEKAKKAITDAAMMAEELKK  
 EQDTSAPHLERMKKNMEQTVKDLQLRLDEAEQLALKGGKKQIQKLEARVRELESEVE  
 SEQKHNVAVKGLRKHERRVKELTYQTEEDRKNILRLQDLVDKLQTKVKAYKRQAE  
 EAEQSNVNLAKFRKLQHELEEAKEKADIAESQVNKL RVKSREVHTK VISEETRTRP  
 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

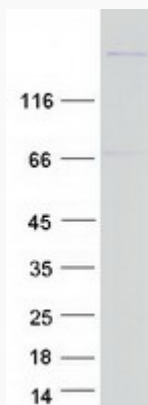
**UniProt ID** Q9Y623

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## SDS-PAGE



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