

Product datasheet for **TP526919**

Myh4 (NM_010855) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse myosin, heavy polypeptide 4, skeletal muscle (Myh4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T



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Expression cDNA >MR226919 representing NM_010855
Clone or AA Sequence: Red=Cloning site Green=Tags(s)

MSSDAEMAVFGEEAAYLRKSEKERIEAQNKPFDKSSVFDKESYVKATVQSREGGKVTAKTEGGATV
TVKDDQVFSMNPYPKYDKIEDMAMMTHLHEPAVLYNLKERYAAWMIYTYSGLFCVTVNPNYKWLVPVYNPEVV
AAYRGKKRQEAPPHIFSISDNAYQFMLTDRENQSILITGESGAGKTVNTRKVIQYFATIAVTGDKKKEEA
TSGKMQGTLEDQIISANPLLEAFGNAKTVRNDNSSRFGKFIRIHFGATGKLASADIETYLLEKSRVTFQL
KAERSYHIFYQIMSNNKPELIEMLLITNPNYDFAYVSQGEITVPSIDDQEELMATD TAVDILGFSADEKV
AIYKLTGAVMHYGNMFKQKQREEQAEPDGTVEADKAAAYLTSLSADLLKALCYPRVKVGNVYVTKGQTV
QQVYNSVGALAKSMYKMFLLWVTRINQQLDTKQPRQYFIGVLDIAGFEIFDFNTLEQLCINFTNEKLQQ
FFNHMFVLEQEYKKEGIDWEIFDFGMDLAACIELIEKPMGIFSILEEECMFPKATDTSFKNKLYEQLHL
GKSNNFQPKPAKGKAEAHFSLVHYAGTVDYNIIGWLDKNKDPLNETVVGLYQKSGKLTALFLFSGGQAA
EAEGGGGKGGKGGSSSFQTVSALFRENLNKLMTNLSTHHPVRCLIPNETKTPGAMEHELVLHLQRCN
GVLEGIRICRKGFP SRILYADFKQRYKVLNASAIPEGQFIDSKKASEKLLGSIDIDHTQYKFGHTKVFFK
AGLLGTLEEMRDEKLAQLITRTQAVCRGYLMRVEFKMMERRESIFCIQYNVRAFMMNVKHWPWMKLYFKI
KPLLKSAETEKEMANMKEDFEKAKEDLAKSEAKRKELEEKMVALMQEKNDLQLQVQAEADGLADAEERCD
QLIKTKIQLEAKIKELTERAEDEEEINAELTAKKRKLEDECELSKDDIDDELTLAKVEKEKHATENKVK
NLTEEMAGLDENIAKLTKEKKALQEAHQQLDDDLQAEEDKVNTLTKAKTKLEQQVDDLEGSLEQEKKLRM
DLERAKRKEGDLKLAQESTMDIENDKQQLDEKLKKEFEMS NLQSKIEDEQALGMQLQKKIKELQARIE
ELEEEIEAERASRAKAEKQRS DLSRELEEISERLEEAGGATSAQIEMNKKREAEFQKMRRDLEEATLQHE
ATAAALRKKHADSV AELGEQIDNLQRVKQKLEKEKSELKMEIDDLASN METVSKAKGNLEKMCRTLEDQL
SEVKTKEEEQRLINELSTQKARLHTESGFSRQLDEKDAMVSQLSRGKQFTQQIEELKRQLEEEESKAK
NALAHALQSARHDCDLLREQYEEEQEAKAELQRAMSKANSEVAQWRKYETDAIQRTEELEEAKKLAQR
LQDAEEHVEAVNSK CASLEKTKQRLQNEVEDLMIDVERSNAACAALDKQRNFDKVLAEWKQKYEETQAE
LEASQKESRSLSTELFKVKNAYEESLDQLETLKRENKNLQQEISDLTEQIAEGGKHIHELEKIKKQIDQE
KSELQASLEEAASLEHEEGKILRIQLELNQVKSEIDRKIAEKDEEIDQLKRNH LRVVESMQSTLDAEIR
SRNDALRIKKKMEGDLNEMEIQLNHANRQAAEAI RNLRNTQGMLKDTQLHLDDALRGQDDLKEQLAMVER
RANLMQAEIEELRASLEQTERSRRVAEQELLDASERVQLLHTQNTSLINTKKKLETDISQIQGEMEDIVQ
EARNAAEKAKKAITDAAMMAEELKKEQD TSAHLERMKKNMEQTVKDLQHR LDEAEQLALGGKKQIQKLE
ARVRELENEVENEQKRNI EAVKGLRKHERRVKELTYQTEEDRKNVLRQLDVLVDKLTQVKVAYKRQAEAAE
EQSNVNLA KFRKIQHELEEAERADIAESQVNKL RVKSREVHTKVISEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 222.9 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage: Store at -80°C after receiving vials.

Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_034985</u>
Locus ID:	17884
UniProt ID:	<u>Q5SX39</u> , <u>Q3UUB1</u>
RefSeq Size:	6037
Cytogenetics:	11 40.59 cM
RefSeq ORF:	5820
Synonyms:	A1506973; MHC2B; Minimsc; Minmus; MM; MYH-2B; MyHC-IIb; Myhsf
Summary:	Muscle contraction.[UniProtKB/Swiss-Prot Function]