

Product datasheet for **TP521574**

Myh3 (NM_001099635) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse myosin, heavy polypeptide 3, skeletal muscle, embryonic (Myh3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T



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Expression cDNA Clone or AA Sequence: >MR221574 representing NM_001099635
Red=Cloning site Green=Tags(s)

MSSDTEMEVFGIAAPFLRKSEKERIEAQNPFDATYCFVVDSSKEEYVKGKIKSSQDGKVTVETEDSRTL
 VVKPEDVYAMNPPKFDKIEDMAMLTHLNEPAVLYNLKDRYTSWMIYTYGLFCVTVNPKWLPVYNPEV
 DGYRGGKRQEAPPHIFSISDNAYQFMLTDRENQSILITGESGAGKTVNTRVIQYFATIAATGDLAKKKD
 SKMKGTLEDQIISANPLLEAFGNAKTVRNDNSSRFGKFIRIHFGTTGKLASADIETYLLEKSRVTFQLKA
 ERSYHIFYQILSNKKPELIEELLITNPNYDYPFISQGEILVASIDDAEELLATDSADILGFTPEEKSGL
 YKLTGAVMHYGNMFKKQKQREEQAEPDGTVEADKTAYLMGLNSSDLLKALCFPRVKVGVNEYVTGQTVD
 Q
 VHHAVALSKSVYEKFLFLWMVTRINQQLDTKLPRQHFVGLDIAGFEIFEYNSLEQLCINFTNEKLQQFF
 NHHMFVLEQEEYKKEGIEWTFIDFGMDLAACIELIEKPMGIFSILEEECMFPKATDTSFKNKLYDQHLGK
 SNNFQKPKVWVGKAEAHFSLVHYAGTVDYSVSGWLEKNKDPNETVGLYQKSSNRLLAHLYATFATTTDA
 DGGKKKVKAKKGGSSFTVSALFRENLNKLSNLRTHPHFVRCIIPNETKTPGAMEHSLVLHQLRCNGVL
 EGIRICRKGFPNRILYGDFKQRYRVLNASAIPEGQFIDSKKACEKLLASIDIDHTQYKFGHTKVFFKAGL
 LGTLEEMRDERLAKLITRTQAVCRGFLMRVEFQKMMQRRESIFCIQYNIRAFMNVKHWPMWMLFFKIKPL
 LKSAETEKEMATMKEEFQKTKDELAKSEAKRKELEEKLVTLVQEKNDLQLQVQAESENLLDAEERCDQLI
 KAKFQLEAKIKEVTERAEDEEEINAELTAKKRKLEDECSLKKDIDDLLETLAKVEKEKHATENKVKNLT
 EELAGLDETIAKLTREKKALQEAHQQTLDLQAEEDKVNSLSKLSKLEQQVDDLESSLEQEKLRVDLE
 RNKRKLEGLDLKLAQESILDLENDKQQLDERLKKKDFEYSQLQSKVEDEQTLSQLQKKIKELQARIEELE
 EEIEAERATRAKTEKQRSYARELEELSERLEEAGGVTSTQIELNKKREAEFLKLRDLLEATLQHEATV
 ATRKKHADSAEELAEQIDNLQRVKQKLEKEKSEFKLEIDDLSSSVESVSKSKANLEKICRTLEDQLSEA
 RGKNEEMQRSLSLTTQKSRLQTEAGELSRQLEEKESIVSLSRSKQAFQTQIEELKRQLEENKAKNAL
 AHALQSSRHDCDLLREQYEEEQEGKAEQLRALSKANSEVAQWRTKYETDAIQRTTEELEEAKKLAQLRQD
 SEEQVEAVNAKCASLEKTKQRLQGEVEDLMVDVERANSLAAALDKKQRNFDKVLAEWKTKEESQAELEA
 ALKESRSLSTELFKLKNAYEEALDQLETVKRENKLEQEIADLTEQIAENGKSIHELEKSRKQMELEKAD
 IQMALEEAAALEHEEAKILRIQLELTQVKSEIDRKIAEKDEEIEQLKRNRYQRTVETMQGALDAEVRSRN
 EAIRLKKKMEGDLNEIEIQLSHANRQAAETIKHLRSVQGQLKDTQLHLDDALRGQEDLKEQLAIVERRAN
 LLQAEVEELRATLEQTERARKLAEQELLSNERVQLLHTQNTSLIHTKKKLETDLTQLQSEVEDACRDAR
 NAEKAKKAITDAAMMAEELKKEQDTS AHLERMKKNLEQTVKDLQHRLEAEQLALKGGKKQIQKLETRI
 RELEFELEGEQKRNTESVKGLRKYERRVKELTYQSEEDRKNVLRLLQDLVDKLVKVKVSKYKRQAEAEDEQA
 NAHLTKFRKAQHELEEAERADIAESQVKNLRAKTRDFTSSRMVHSESE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 224.2 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:	NP_001093105
Locus ID:	17883
UniProt ID:	P13541
RefSeq Size:	5992
Cytogenetics:	11 40.59 cM
RefSeq ORF:	5820
Synonyms:	MyHC-emb; Myhs; Myhs-; Myhs-e; Myhse
Summary:	<p>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. [provided by RefSeq, Sep 2015]</p>