

Product datasheet for **PH320101**

Myosin (MYH4) (NM_017533) Human Mass Spec Standard

Product data:

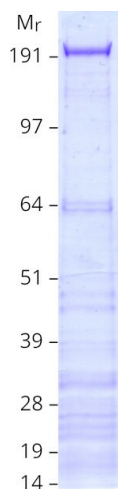
Product Type:	Mass Spec Standards
Description:	MYH4 MS Standard C13 and N15-labeled recombinant protein (NP_060003)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220101
Predicted MW:	222.9 kDa



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Protein Sequence:	<p>>RC220101 representing NM_017533 Red=Cloning site Green=Tags(s)</p> <p>MSSDSEMAIFGEAAPFLRKSEKERIEAQNKPFDAKTSVVFVDPKESYVKAIVQSREGGKVTAKTEAGATV TVKEDQVFSMNPPKYDKIEDMAMMTHLHEPAVL YNLKERYAAWMIYTYSGLFCVTVNPKWLPVYNPEVV TAYRGKKRQEAPPHIFSI SDNAYQFML TDRENQSILITGESGAGKTVNTRKVIQYFATI AVTGEKKKEEP ASGKMQGTLEDQIISANPLLEAFGNAKTVRNDNSRFGKFI RIHFGATGKLASADIETYLLEKSRVTFQL KAERSYHIFYQILSNKKPELIEMLLITNTPYDFAFVSQGEITVPSIDDQEELMATDSAVDILGFTADEKV AIYKLTGAVMHYGNMKFKQKQREEQAEPDGEVADKAAAYLTSLSADLLKSLCYPRVKVGNFVTKGQTV QQVYNAV GALAKAIYEKMF LWMVTRINQLD TKQPRQYF IGVLDIAGFEIFDFNSLEQLCINFTNEKLQQ FFNHMFVLEQEEYKKEGIEWEFIDFGMDLAACIELIEKPMGIFSI EEEECMFPKATDTSFKNKLYEQHL GKSNNFQKPKPAKGKPEAHFSLVHYAGTV DYNIA GWLDKNKDPLNETVVGLYQKSAMKTLAFLFSGAQT EAEGGGKGGKGGKSSFTVSALFRENLNKLMNLRSTHHPFVRCIIPNETKTPGAMEHELVLHQLRCN GVLEGI R ICRKGFPSRILYADFKQRYKVLNASAIPEGQFIDSKKASEKLLGSIEIDHTQYKFGHTKVFVK AGLLGTLEEMRDEKLAQLITRTQAICRGLMRVEFRKMMERRESIFCIQYNIRAFMNVKHWPMKLYFKI KPLLKSAETEKEMANMKEEFKTEELAKTEAKRKELEEKMVTLMQEKNDLQLQVQAEADALADAERCD QLIKTKIQLEAKIKEVTERAEDEEEINAELTAKKRKLEDECSLKKDIDDLLETLAKVEKEKHATENKVK NLTEEMAGLDETI AKL TKEKKALQEAHQQTLDLQMEEDKVNTLTKAKTKLEQQVDDLEGSLEQEKKLCM DLERAKRKL EGD LKLAQESTMDTENDKQQLNEKLKKKEFEMS NLQGKIEDEQALAIQLQKKIKELQARIE ELEEEIEAERASRAKAEKQRSDLSRELEEISERLEEAGGATSAQIEMNKKREAEFQKMRRDLEESTLQHE ATAAALRKKHADSV AELGEQIDSLQRVKQKLEKEKSELKMEINDLASNMETVSKAKANFEKMCRTLEDQL SEIKTKEEEQRLINELSAQKARLHTESGEFSRQLDEKDAMVSQLSRGQAF TQQIEELKRQLEEEETKAK STLAHALQSARHDCDLLREQYEEEQEAKAELQRGMSKANSEVAQWRTKYETDAIQRT EEELEAKKLAQR LQDAEEHVEAVNSK CASLEKTKQRLQNEVEDLMIDVERSNAACIALDKKQRNFDKVLAEWKQKYEETQAE LEASQKESRSLSTELFKVNAYEESLDHLETLKRENKNLQQEISDLTEQIAEGGKHIHELEKVKQLDHE KSELQTSLEEA EASLEHEEGKILRIQLELNQVKSEIDRKIAEKDEELDQLKRNHLRVVESMQSTLDAEIR SRNDALRIKKKMEGDLNEMEIQLNHANRQAAEALRNL RNTQGILKDTQLHLDDAIRGQDDLKEQLAMVER RANLMQAEVEELRASLERTERGRKMAEQELLDASERVQLLHTQNTSLINTKKKLETDISIQIGEMEDIVQ EARNAEKAKKAITDAAMMAEELKKEQD TSAHLERMKNMEQTVKDLQLRLDEAEQLALGGKKQIQKLE ARVRELESEVESEQKHNVAVKGLRKHERRVKELTYQTEEDRKNILRLQDLVDKLQTKVKAYKRQAEAE EQSNVNLAKFRKLQHELEEKERADIAESQVNKLRVKSREVHTKVISEE</p> <p style="color: green;">TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_060003
RefSeq Size:	6016
RefSeq ORF:	5817
Synonyms:	MYH2B; MyHC-2B; MyHC-IIb

Locus ID: 4622
UniProt ID: [Q9Y623](#)
Cytogenetics: 17p13.1
Summary: Muscle contraction.[UniProtKB/Swiss-Prot Function]
Protein Pathways: Tight junction, Viral myocarditis

Product images:

Coomassie blue staining of purified MYH4 protein (Cat# [TP320101]). The protein was produced from HEK293T cells transfected with MYH4 cDNA clone (Cat# [RC220101]) using MegaTran 2.0 (Cat# [TT210002]).