

Supplement information: The detected proteins presented in table 1. The marked areas are the sequenced amino acids and phosphorylated amino acids are marked with “P”.

Spot number 1

Myosin regulatory light chain 2, skeletal muscle isoform (Fragment) OS=Homo sapiens
GN=MYLPF PE=2 SV=1 - [H3BML9_HUMAN]

P PPP P
MAPKRAKRRT VEGGSSSVFS MFDQTQIQEF KEAFTVIDQN RDGIIDKEDL RDTFAAMGR L NVKNEELDAM MKEASGPINE
TVFLTMFGEK LKGADPEDVI TGAFKVLDP

GKGTIKKK

Spot number 2

Myosin regulatory light chain 2, skeletal muscle isoform (Fragment) OS=Homo sapiens
GN=MYLPF PE=2 SV=1 - [H3BN54_HUMAN]

P PPP P
MAPKRAKRRT VEGGSSSVFS MFDQTQIQEF KEAFTVIDQN RDGIIDKEDL RDTFAAMGR L NVKNEELDAM MKEASGPINE
TVFLTMFGEK LKGADPEDVI TGAFKVLDP

GKGTIKKKFL EELLTQCDR FSQEE

Spot number 3

Myosin regulatory light chain 2, skeletal muscle isoform OS=Homo sapiens GN=MYLPF PE=2
SV=1 - [Q96A32_HUMAN]

P PPP P
MAPKRAKRRT VEGGSSSVFS MFDQTQIQEF KEAFTVIDQN RDGIIDKEDL RDTFAAMGR L NVKNEELDAM MKEASGPINE
TVFLTMFGEK LKGADPEDVI TGAFKVLDP

GKGTIKKKFL EELLTQCDR FSQEEIKNMW AAFPPDVGGN VDYKNICYVI THGDAKDQE

Spot number 4

Myosin regulatory light chain 2, ventricular/cardiac muscle isoform OS=Homo sapiens
GN=MYL2 PE=2 SV=1 - [G3V1V8_HUMAN]

P P
MAPKKAKKRA GGANSNVFSM FEQTQIQEFK ELGVPECVFP TLGRVNVKNE EIDEMIKEAP GPINFTVFLT MFGEK LK GAD
PEETILNAFK VFDPEGKGV L KADYVREMLT

TQAERFSKEE VDQMFAAFP DVTGNLDYKN LVHIITHGEE KD

Spot number 5

Myosin regulatory light chain 2, ventricular/cardiac muscle isoform OS=Homo sapiens
GN=MYL2 PE=1 SV=3 - [P10916_HUMAN]

P P
MAPKKAKKRA GGANSNVFSM FEQTQIQEFK EAFTIMQNR DGFIDKNDLR DTFAALGRVN VKNEEIDEMI KEAPGPINFT
VFLTMFGEKL KGADPEETIL NAFK VFDPEG
KGVLKADYVR EMLTTQAERF SKEEVDQMFA AFPPDVTGNL DYKNLVHIIT HGEEKD

Spot number 6

Myosin regulatory light chain 2, ventricular/cardiac muscle isoform (Fragment) OS=Homo sapiens GN=MYL2 PE=2 SV=1 - [Q6IB42_HUMAN]

MAPKKAKKRA GGANSNVFSM FEQTQIQEFK EAFTIMQNR DGFIDKNDLR DTFAALGRVN VKNEEIDEMI KEAPGPINFT
VFLTMFGEKL KGADPEETIL NAFK VFDPEG KGVLKADYVR EMLTTQAERF SKEEVDQMFA AFPPDVTGNL DYKNLVHIIT
HGEEKD

Spot number 7

Myosin light chain 3 OS=Homo sapiens GN=MYL3 PE=1 SV=3 - [P08590_HUMAN]

MAPKKPEPK DDAKAAPKAA PAPAPPEPE RPKEVEFDAS KIKIEFTPEQ IEEFKEAFML FDRTPKCEMK ITYGQCGDVL
RALGQNPTQA EVLRVLGKPR QEELNTKMMD
FETFLPMLQH ISKNKDTGTY EDFVEGLRVF DKEGNGTVMG AELRHVLATL GERLTEDEVE KLMAGQEDSN GCINYEAFVK
HIMSS

Spot number 8

Myosin light chain 1/3, skeletal muscle isoform OS=Homo sapiens GN=MYL1 PE=1 SV=3 - [P05976_HUMAN]

MAPKKDVK KP VAAAAAAPAP APAPAPAPAP AKPKEEK IDL SAIKIEFSKE QQDEFKEAFL LFDRTGDSKI TLSQVGDVLR
ALGTNPTNAE VRKVLGNPSN EELNAKKIEF
EQFLPMMQAI SNNKDQATYE DFVEGLRVFD KEGNGTVMGA ELRHVLATLG EKMKEEEVEA LMAGQEDSNG CINYEAFVKH
IMSI

Spot number 9

Isoform MLC3 of Myosin light chain 1/3, skeletal muscle isoform OS=Homo sapiens GN=MYL1 - [P05976-2_HUMAN]

MSFSADQIAE FKEAFLLFDR TGDSKITLSQ VGDVLRALGT NPTNAEVRKV LGNPSNEELN AKKIEFEQFL PMMQAISNNK
DQATYEDFVE GLRVFDKEGN GTVMGAELRH
VLATLGEKMK EEEVEALMAG QEDSNGCINYEAFVKHIMSI

Spot number 10

Tropomyosin beta chain OS=Homo sapiens GN=TPM2 PE=1 SV=1 - [P07951_HUMAN]

MDAIKKMQM LKLDKENAID RAEQAEADKK QAEDRCK **OLE EEQQALQ**KL KGTEDEVEKY SESVKEAQEK LEQAEK **KATD**
AEADVASLNR **RIQLVEEELD** RAQERLATAL

QKLEEAEKAA DESERGMKVI ENRAMK **DEEK MELQEMQLK**E AKHIAEDSDR KYEEVARKLV ILEGELEERSE ERAEVAESKC
GDLEEEELKIV TNNLKSLEAQ ADKYSTKEDK

YEEEIKLLEE KLKEAETRAE FAERSVAKLE **KTIDDLEDEV YAQ**KMYKAI SEELDNALND ITSL