

Myosin regulatory light polypeptide 9 (MYL9) Active Protein | MYL9 active protein

Recombinant Human Myosin regulatory light polypeptide 9 (MYL9)(Active)

CATALOG #
AAA279223

HOST
Yeast

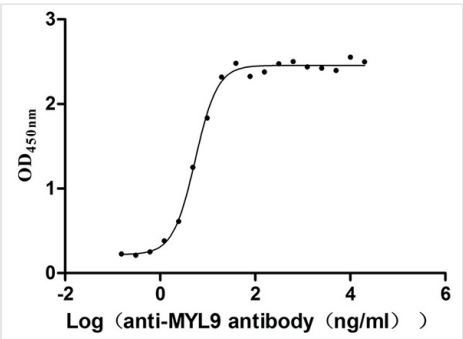
PRODUCT SYNONYMS

Myosin regulatory light polypeptide 9 (MYL9); Recombinant Human Myosin regulatory light polypeptide 9 (MYL9)(Active); 20 kDa myosin light chain; LC20; MLC-2C; Myosin RLC; Myosin regulatory light chain 2; smooth muscle isoform; Myosin regulatory light chain 9; Myosin regulatory light chain MRLC1; MYL9 active protein

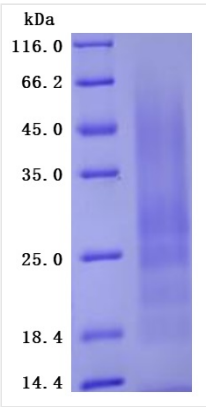
PRODUCT SPECIFICATIONS

Host	Yeast
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Sequence Positions	2-172aa; Full Length of Mature Protein
Sequence	SSKRKAKATT KKRPRATSN VFAMFDQSQI QEFKEAFNMI DQNRDGFIDK EDLHDMLASL GKNPTDEYLE GMMSEAPGPI NFTMFLTMFG EKLNGTDPED VIRNAFACFD EEASGFIHED HLRELLTTMG DRFTDEEVDE MYREAPIDKK GNFNYYEFTR ILKHGAKDKD D\$
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Cancer
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human MYL9 at 2 ug/mL can bind Anti-MYL9 recombinant antibody, the EC50 is 4.628-6.430 ng/mL.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

IMAGES



Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized Human MYL9 at 2?g/mL can bind Anti-MYL9 recombinant antibody, the EC50 is 4.628-6.430 ng/mL.



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Related Product Information for MYL9 active protein	May play an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation.
Product Categories/Family for MYL9 active protein	Active Protein & In Stock Protein
References	"Characterization and differential expression of human vascular smooth muscle myosin light chain 2 isoform in nonmuscle cells." Kumar C.C., Mohan S.R., Zavodny P.J., Narula S.K., Leibowitz P.J. Biochemistry 28:4027-4035 (1989)

NCBI AND UNIPROT INFORMATION

NCBI GI #	31563524
NCBI GeneID	10398
NCBI Accession #	NP_852667.1
NCBI GenBank Nucleotide #	NM_181526.2
UniProt Accession #	P24844; Q9BQL9; Q9BUF9; Q9H136; E1P5T6
Molecular Weight	19,827 Da
NCBI Official Full Name	myosin regulatory light polypeptide 9 isoform b
NCBI Official Synonym Full Names	myosin, light chain 9, regulatory
NCBI Official Symbol	MYL9
NCBI Official Synonym Symbols	LC20; MLC2; MRLC1; MYRL2; MLC-2C
NCBI Protein Information	myosin regulatory light polypeptide 9; myosin RLC; 20 kDa myosin light chain; myosin regulatory light chain 1; myosin regulatory light chain 9; myosin regulatory light chain MRLC1; myosin, light polypeptide 9, regulatory; myosin regulatory light chain 2,
UniProt Protein Name	Myosin regulatory light polypeptide 9
UniProt Gene Name	MYL9
UniProt Synonym Gene Names	MLC2; MRLC1; MYRL2; LC20
UniProt Entry Name	MYL9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/yeast-active-protein/myosin-regulatory-light-polypeptide-9-myl9/279223>