

## MYL9 Protein, Human, Recombinant (His)

### General Information

Synonyms:	MYL9;Myosin regulatory light chain 2, smooth muscle isoform;Myosin regulatory light chain MRLC1;Myosin RLC;MYRL2;MLC-2C;MRLC1;Myosin regulatory light chain 9;MLC2;20 kDa myosin light chain (LC20);Myosin regulatory light polypeptide 9
Protein Construction:	2-172 aa
Species:	Human
Expression Host:	P. pastoris (Yeast)
Accession:	P24844
Molecular Weight:	21.7 kDa (Predicted)
AA Sequence:	SSKRAKAKTTKKRPQRATSNVFMFDQSQIQEFKEAFNMIDQNRDGFIDKEDLHDMMLASLGKNPTDEYLEG MMSEAPGPINFTMFLTMFGEKLNQDPELVIRNAFACFDEEASGFIHEDHLRELLTTMGDRFTDEEVDEMYRE APIDKKGNFNVEFTRILKHGAKDKDD

### QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized Human MYL9 at 2 µg/mL can bind Anti-MYL9 recombinant antibody (CSB-RA015318MA1HU), the EC50 is 4.628-6.430 ng/mL.
Purity:	>95% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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