

MYL12B Protein, Human, Recombinant (His)

General Information

Synonyms:	Myosin regulatory light chain 2-B, smooth muscle isoform;MYLC2B;SHUJUN-1;Myosin regulatory light chain 20 kDa (MLC20);Myosin regulatory light chain MRLC2;Myosin regulatory light chain 12B;MRLC2;MLC-2A (MLC-2);MYL12B
Protein Construction:	1-172 aa
Species:	Human
Expression Host:	E. coli
Accession:	O14950
Molecular Weight:	26.7 kDa (Predicted)
AA Sequence:	MSSKKAKTKTTKKRPQRATSNVFMFDQSQIQEFKEAFNMIDQNRDGFIDKEDLHDMLASLGKNPTDAYLD AMMNEAPGPINFTMFLTMFGEKLNGLDPELVIRNAFACFDEEATGTIQEDYLRELLTMMGDRFTDEEVDELYR EAPIDKKGNFNYIEFTRILKHGAKDKDD

QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized Human MYL12B at 2 µg/mL can bind Anti-MYL9 recombinant antibody (CSB-RA015318MA1HU). The EC50 is 7.760-8.646 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 sterile filtered PBS, 6% Trehalose, pH 7.4

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481