Recombinant Human MYL12B protein, His & T7-tagged

Cat. No. MYL12B-8046H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYL12B aa. (Lys5~Asp172 (Accession # O14950)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Lys5~Asp172
Description	The activity of nonmuscle myosin II (see MYH9; MIM 160775) is regulated by phosphorylation of a regulatory light chain, such as MRLC2. This phosphorylation results in higher MgATPase activity and the assembly of myosin II filaments.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.2kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.2.
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	MYL12B myosin light chain 12B [Homo sapiens (human)]
Official Symbol	MYL12B
Gene ID	103910
mRNA Refseq	NM_001144944.1
Protein Refseq	NP_001138416.1
UniProt ID	O14950

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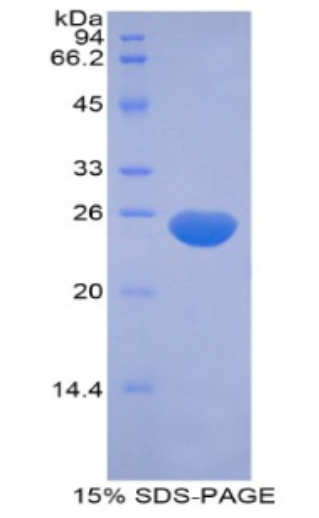
SDS-PAGE	

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