

Recombinant Human MYL12A protein, His-tagged

Cat. No. MYL12A-843H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYL12A protein(P19105)(1-171aa), fused with C-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-171a.a.
Tag	His
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human MYL12A at 2 g/mL can bind Anti-MYL9 recombinant antibody. The EC50 is 5.325-6.456 ng/mL.
Molecular Mass	26.7 kDa
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Purity	Greater than 95% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid

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repeated freeze-thaw cycles.

Reconstitution

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°C/-80°C.

AA Sequence

MSSKRTKTKTKKRPQRATSNVFAMFDQSQIQEFKEAFNMIDQNRDGFIDKEDLHDM
LASLGKNPTDEYLDAMMNEAPGPINFMTFLTMTFGEKLNQTDPEDEVIRNAFACFDEEA
TGTIQEDYLRELLTTMGDRFTDEEVDELYREAPIDKKGNFNYIEFTRILKHGAKDKDD

GENE INFORMATION

Gene Name

MYL12A myosin, light chain 12A, regulatory, non-sarcomeric [Homo sapiens]

Official Symbol

MYL12A

Synonyms

MYL12A; myosin, light chain 12A, regulatory, non-sarcomeric; myosin, light polypeptide, regulatory, non sarcomeric (20kD); myosin regulatory light chain 12A; MLCB; MRCL3; MRCL3; MYL2B; myosin regulatory light chain 3; MLC-2B; myosin RLC; myosin regulatory light chain MRCL3; myosin regulatory light chain MRCL3; myosin regulatory light chain 2, nonsarcomeric; myosin, light polypeptide, regulatory, non-sarcomeric (20kD);

Gene ID

10627

mRNA Refseq

NM_006471

Protein Refseq

NP_006462

UniProt ID

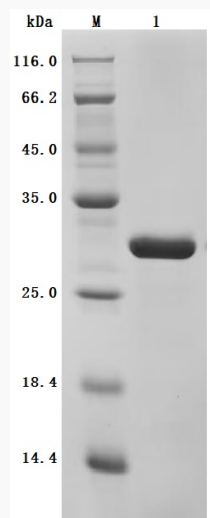
P19105

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SDS-PAGE



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