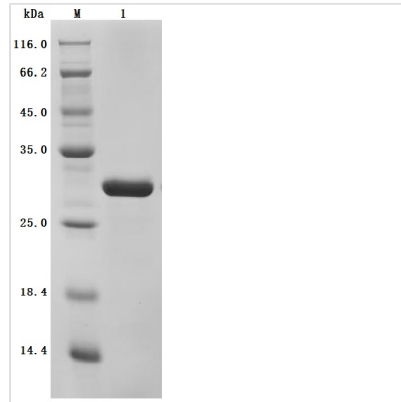


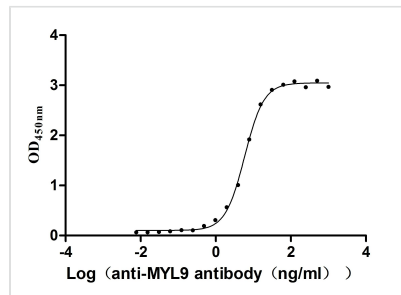


Recombinant Human Myosin regulatory light chain 12A (MYL12A) (Active)

Product Code	CSB-EP015307HUc7
Abbreviation	Recombinant Human MYL12A protein (Active)
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P19105
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human MYL12A at 2 µg/mL can bind Anti-MYL9 recombinant antibody (CSB-RA015318MA1HU). The EC50 is 5.325-6.456 ng/mL.
Purity	≥ 95% as determined by SDS-PAGE.
Sequence	MSSKRTKTKTKKRPQRATSNV FAMFDQSQIQEFKEAFNMIDQNRDGFIDKEDL HDMLASLGKNPTDEYLDAMMNEAPGPINFMTMFLTMFGEKLN GTDPEDVIRNAF ACFDEEATGTIQEDYLRELLTTMGDRFTDEEVDELYREAPIDKKGNFN YIEFTRI LKHGAKDKDD
Source	E.coli
Target Names	MYL12A
Expression Region	1-171aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 6xHis-tagged
Mol. Weight	26.7 kDa
Protein Length	Full Length
Image	



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



Activity
 Measured by its binding ability in a functional ELISA. Immobilized Human MYL12A at 2µg/mL can bind Anti-MYL9 recombinant antibody (CSB-RA015318MA1HU) the EC₅₀ is 5.325-6.456 ng/mL.

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

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. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.