

Recombinant Legumain (LGMN) Instruction Manual

SIPC970Mu01

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Lysosome
Predicted Molecular Mass	51.3KDa
Accurate Molecular Mass	51kDa(Analysis of differences refer to the manual)
Residues & Tags	Val18~Tyr435 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	5.9
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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VPV GVDDPEDGGK HWVVIVAGSN GWYNYRHQAD  
ACHAYQIIHR NGIPDEQIIV MMYDDIANSE ENPTPGVVIN RPNGTDVYKG  
VLKDYTGEDV TPENFLAVLR GDAAVKGKSGKVLKSGPR DHVFIYFTDH  
GATGILVFPN DDLHVKDLNK TIRYMYEHKM YQKMFYIEA CESGSMNHL  
PDDINVYATT AANPKESSYA CYYDEERGTY LGDWYSVNWMM ESDVEDLTK  
ETLHKQYHLV KSHTNTSHVM QYGNKSISTM KVMQFQGMKH RASSPISLPP  
VTHLDLTPSP DVPLTILKRK LLRTNDVKES QNLIGQIQQF LDARHVIEKS  
VHKIVSLLAG FGETAERHLS ERTMLTAHDC YQEAVTHFRT HCFNWH SVTY  
EHALRYLYVL ANLCEAPYPI DRIEMAMDKV CLSHY
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USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.
Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. 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. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Image

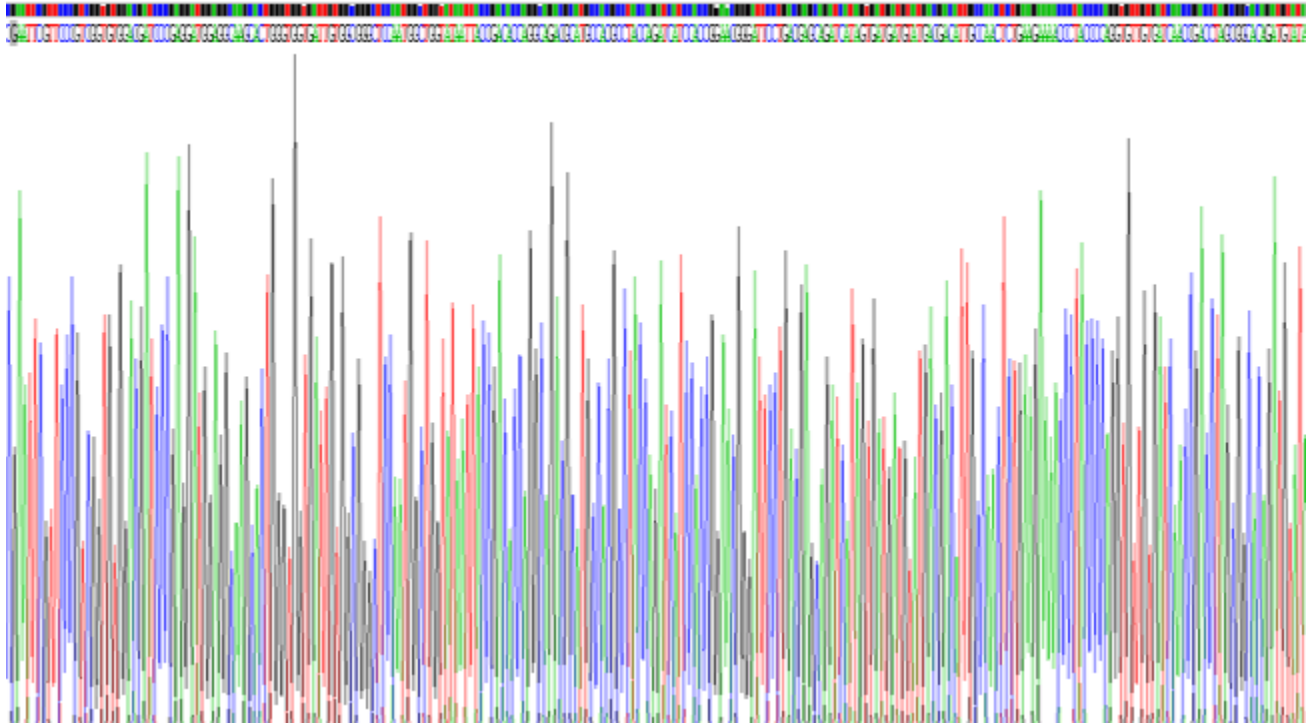


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.