

Recombinant Legumain (LGMN) Instruction Manual

SIPC970Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Lysosome
Predicted Molecular Mass	51.4kDa
Accurate Molecular Mass	51kDa(Analysis of differences refer to the manual)
Residues & Tags	Val18~Tyr433 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	6.0
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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VPI DDPEDGGKHW VVIVAGSNGW YNYRHQADAC  
HAYQIIHRNG IPDEQIVVMM YDDIAYSEDN PTPGIVINRP NGTDVYQGVP  
KDYTGEDVTP QNFLAVLRGD AEA VKGIGSG KVLKSGPQDH VFIYFTDHGS  
TGILVFPNED LHV KDLNETI HYMYKHKMYR KMFVYIEACE SGSMNHLPD  
NINVYATTAA NPRESSYACY YDEKRSTYLG DWYSVNWMED SDVEDLTKET  
LHKQYHLVKS HTNTSHVMQY GNKTISTMKV MQFQGMKRKA SSPVPLPPVT  
HLDLTPSPDV PLTIMKRKLM NTNDLEESRQ LTEEIQRHLD ARHLIEKSVR  
KIVSLLAASE AVEVEQLLSER APLTGHSCYP EALLHFRTHC FNWHSPTYEY  
ALRHLYVLVN LCEKPYPLHR IKLSMDHVCL GHY
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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

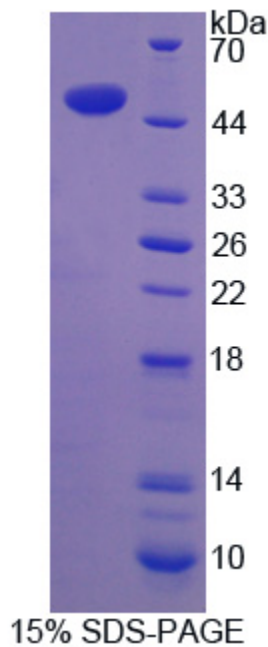


Figure. SDS-PAGE

[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.