



TEL:4006-871-227 Web:www.ybio.net Email:shybio@126.com

YBC564Hu01 100 $\mu$ g

Recombinant Legumain (LGMN)

Organism Species: Homo sapiens (Human)

*Instruction manual*

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

## [ PROPERTIES ]

Residues: Val118~Tyr433

Tags: Two N-terminal Tags, His-tag and T7-tag

Accession: Q99538

Host: *E. coli*

Subcellular Location: Lysosome.

Purity: >95%

Endotoxin Level: <1.0EU per 1 $\mu$ g (determined by the LAL method).

Formulation: Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.

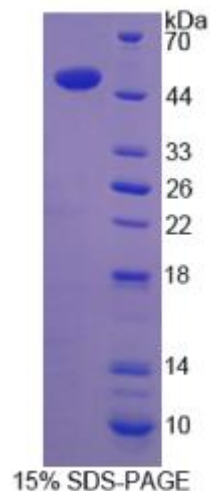
Predicted isoelectric point: 6.0

Predicted Molecular Mass: 51.4kDa

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

## [ USAGE ]





TEL:4006-871-

227 Web:www.ybio.net Email:shybio@126.com

**Reconstitute in sterile PBS, pH7.2-pH7.4.**

## [ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: 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.

## [ SEQUENCES ]

The sequence of the target protein is listed below.

VPI DDPEDG GKH W VVIVAG SNGW YNYRHQ ADAC HAYQ IHRNG IPD EQIVVMM  
YDDIAYSEDN PTPGIVINRP NGTDVYQGVV KDYTGEDVTP QNFLAVLRGD AEA VKGIGSG  
KVLKSGPQDH VFIYFTDHGS TGILVFPNED LHV KDLNETI HYMYKHKMYR KMFVYIEACE  
SGSMMNHLPD NINVYATTA NPRESSYACY YDEKRSTYLG DWYSVNW MED SDVEDLTKET  
LHKQYHLVKS HTNTSHVMQY GNKTISTMKV MQFQGMKRKA SSPVPLPPVT HLDLTPSPDV  
PLTIMKRKLM NTNDLEESRQ LTEETQRHLD ARHLIEKSVR KIVSLLAASE AVEVEQLLSER  
APLTGHSCYP EALLHFRTHC FNWHSPTYEY ALRHLYVLVN LCEKPYPLHR IKLSMDHVCL  
GHY