YBC564Mu01 50μg

Recombinant Legumain (LGMN)

Organism Species: Mus musculus (Mouse)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Val18~Tyr435

Tags: N-terminal His-Tag

Subcellular Location: Lysosome.

Purity: >98%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.

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

Predicted isoelectric point:

5.9 **Predicted Molecular Mass:**

51.3kDa

Accurate Molecular Mass: 51kDa as determined by SDS-PAGE reducing conditions.

〔 USAGE 〕

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

〔 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. 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.

〔 SEQUENCE 〕

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                      VFV  GVDDPFLDGGR THVVVIVAGSN GNTNTRHQAD
ACHAYQIIHR NGIPDEQIIV MMYDDIANSE ENPTPGVVIN RPNGTDVYKG
VLKDYTGEDV TPENFLAVLR GDAEAVKGKG SGKVLKSGPR DHVFIYFTDH
GATGILVFPN DDLHVKDLNK TIRYMYEHKM YQKMVFYIEA CESGSMMNHL
PDDINVYATT AANPKESSYA CYYDEERGTY LGDWYSVNWM EDSDVEDLTK
ETLHKQYHLV KSHTNTSHVM QYGNKSISTM KVMQFQGMKH RASSPISLPP
VTHLDLTPSP DVPLTILKRK LLRTNDVKES QNLIGQIQQF LDARHVIEKS
VHKIVSLLAG FGETAERHLS ERTMLTAHDC YQEAVTHFRT HCFNWHSVTY
EHALRYLYVL ANLCEAPYPI DRIEMAMDKV CLSHY
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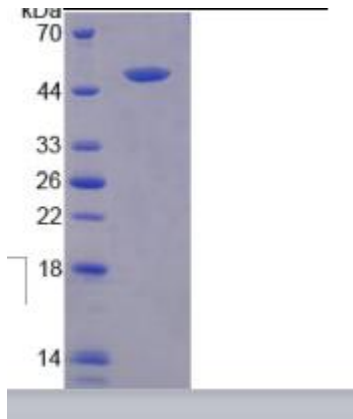
〔 IDENTIFICATION 〕

Figure 1. SDS-PAGE