

Legumain Recombinant Protein | LGMN recombinant protein

Recombinant Legumain (LGMN)

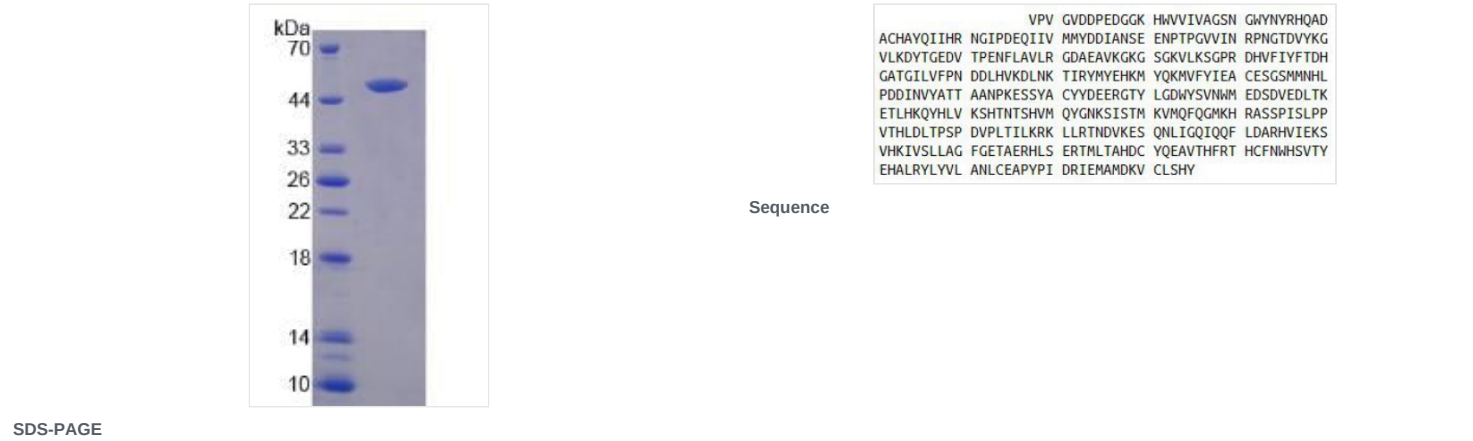
CATALOG # AAA144231	HOST Host: E ColiSource: Prokaryotic expression	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Legumain; Recombinant Legumain (LGMN); LGMN recombinant protein

PRODUCT SPECIFICATIONS

Host	Host: E Coli Source: Prokaryotic expression
Purity/Purification	>95%
Form/Format	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Sequence	The target protein is fused with two N-terminal Tags, His-tag and T7-tag. The sequence is listed below. VPVGVDDP EDGGKHWVVI VAGSNGWYNY RHQADACHAY QIIHRNGIPD EQIIVMMYDD IANSEENPTP GVVINRPNGT DVYKGVLDKY TGEDVTPENF LAVLRGDAEA VKGKGSGKVL KSGPRDHVFI YFTDHGATGI LVFPNDDLHV KDLNKTIRYM YEHKMYQKMV FYIEACESGS MMNHLPPDDIN VYATTAANPK ESSYACYDE ERGTYLGDWY SVNWMEDSDV EDLTKETLHK QYHLVKSHN TSHVMQYGNK SISTMKVMQF QGMKHRASSP ISLPPVTHLD LTPSPDVPLT ILKRKLLRTN DVKESQNLIG QIQQLDARH VIEKSVHKIV SLLAGFGETA ERHLSERTML TAHDCYQEA VTHFRTHCFNW HSVTYEHALR YLYVLNLCE APYPIDRIEM AMDKVCLSHY
Sequence Length	433
Applicable Applications for LGMN recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Predicted Molecular Mass	51.3KDa
Accurate Molecular Mass (KD)	51kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Expression System	Prokaryotic expression
Tag	two N-terminal tags, his-tag and T7 tag
Organism Species	Mus musculus (Mouse)
Fragment	Val18~Tyr435
Usage	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree 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 degree C for 48h, and no obvious degradation and precipitation were observed. The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



NCBI AND UNIPROT INFORMATION

NCBI GI #	56682964
NCBI GeneID	5641
NCBI Accession #	NP_001008530.1
NCBI GenBank Nucleotide #	NM_001008530.2
Molecular Weight	42,008 Da
NCBI Official Full Name	legumain preproprotein
NCBI Official Synonym Full Names	legumain
NCBI Official Symbol	LGMN
NCBI Official Synonym Symbols	AEP; LGMN1; PRSC1
NCBI Protein Information	legumain
UniProt Protein Name	Legumain
UniProt Gene Name	LGMN
UniProt Synonym Gene Names	PRSC1
UniProt Entry Name	LGMN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.