Recombinant Human LGMN Protein (18-323 aa), His-tagged

Cat. No. LGMN-2161H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGMN Protein (18-323 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Immunology. Protein Description: Full Length of Mature Protein.
Species	Human
Source	Yeast
ProteinLength	18-323 aa
Description	Has a strict specificity for hydrolysis of asparaginyl bonds. Can also cleave aspartyl bonds slowly, especially under acidic conditions. Required for normal lysosomal protein degradation in renal proximal tubules. Required for normal degradation of internalized EGFR. Plays a role in the regulation of cell proliferation via its role in EGFR degradation (By similarity). May be involved in the processing of proteins for MHC class II antigen presentation in the lysosomal/endosomal system.
Form	Tris-based buffer,50% glycerol
Molecular Mass	36.7 kDa
AA Sequence	VPIDDPEDGGKHWVVIVAGSNGWYNYRHQADACHAYQIIHRNGIPDEQIVVMMYDDI AYSEDNPTPGIVINRPNGTDVYQGVPKDYTGEDVTPQNFLAVLRGDAEAVKGIGSG KVLKSGPQDHVFIYFTDHGSTGILVFPNEDLHVKDLNETIHYMYKHKMYRKMVFYIEA CESGSMMNHLPDNINVYATTAANPRESSYACYYDEKRSTYLGDWYSVNWMEDSDV

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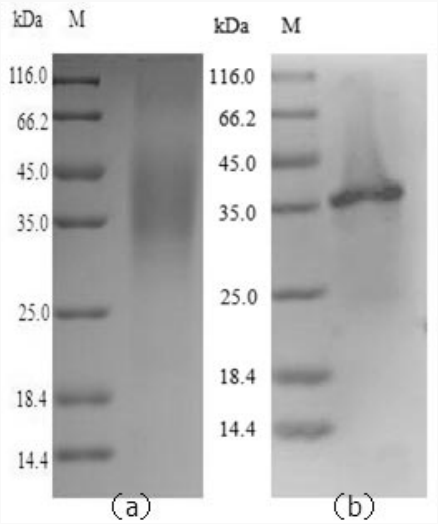
	EDLTKETLHKQYHLVKSHTNTSHVMQYGNKTISTMKVMQFQGMKRKASSPVPLPPV THLDLTPSPDVPLTIMKRKLMNTN
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	LGMN legumain [Homo sapiens]
Official Symbol	LGMN
Synonyms	LGMN; legumain; LGMN1; cysteine protease 1; AEP; PRSC1;
Gene ID	5641
mRNA Refseq	NM_001008530
Protein Refseq	NP_001008530
MIM	602620

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UniProt ID	Q99538



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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