

Recombinant Cynomolgus Monkey LGMN Protein (18-323 aa), His-Myc-tagged

Cat. No. LGMN-2549C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus Monkey (<i>Macaca fascicularis</i>) (Crab-eating macaque) LGMN Protein (18-323 aa) is produced by E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Immunology. Protein Description: Full Length of Mature Protein.
Species	Cynomolgus
Source	E.coli
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. 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	39.7 kDa
AA Sequence	VPIDDPEDGGKHWVIVAGSNGWYNRYHQADACHAYQIIHRNGIPDEQIVVMYDDI AYSEDNPTPGIVINRPNGTDVYQGVPKDYTGEDVTPQNFLAVLRGDAAEAVKGIGSG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KVLKSGPQDHVFVYFTDHGSTGILVFPNEDLHVKDLNETIYYMYKHKMYRKMVFYIE
 ACESGSMNNHLPDNINVYATTAANPRESSYACYIDEKRSTYLGDWYSVNW MEDSD
 VEDLTKETLHKQYHLVKSHTNTSHVMQYGNKTISTMKVMQFQGMKHKASSPLSLPP
 VTHLDLTPSPDVPLTIMKRKLMNTN

Purity > 85% 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 will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name LGMN legumain [*Macaca fascicularis* (crab-eating macaque)]

Official Symbol LGMN

Synonyms LGMN; PRSC1;

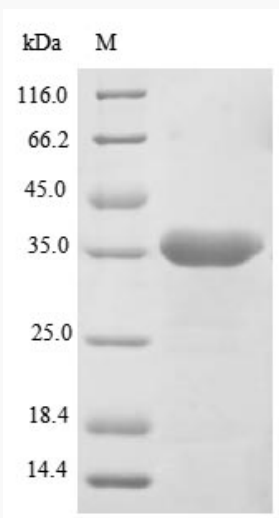
Gene ID 101867471

UniProt ID Q4R4T8

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

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