

Recombinant Human LGMN protein, T7/His-tagged

Cat. No. LGMN-216H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human LGMN (416aa) fused with T7-His-TEV cleavage site Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Form	0.4 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGRHHHHHGNLYFQGGEFVPIDDPEDGGKHWWVIVAGSNGWY NYRHQADACHAYQIIHRNGIPD EQIVVMYDDIAYSEDNPTPGIVINRPNGTDVYQG VPKDYTGEDVTPQNFLAVLRGDAEAVKGIGSGKVLKSGPQ DHVFIYFTDHGSTGILV FPNEDLHVKDLNETIHMYKHKMYRKMFYIEACESGSMMNHLPDNINVYATTAANP R ESSYACYYDEKRSTYLGDWYSVNW MEDSDVEDLTKETLHKQYHLVKSHTNTSHV MQYGNKTISTMKVMQFQGMKR KASSPVLPVTHLDLTPSPDVPLTIMKRKLMNTN DLEESRQLTEEIQRHLDARHLIEKSVRKIVSLLAASEAEV EQLLSERAPLTGHSCYPE ALLHFRTHCFNWHSPTYEYALRHLYVLVNLCEKPYPLHRIKLSMDHVCGLGHY
Purity	>90% by SDS-PAGE
Storage	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

GENE INFORMATION

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Gene Name	LGMN legumain [Homo sapiens]
Official Symbol	LGMN
Synonyms	LGMN; legumain; protease, cysteine, 1 (legumain) , PRSC1; LGMN1; cysteine protease 1; protease, cysteine 1; asparaginyl endopeptidase; protease, cysteine, 1 (legumain); AEP; PRSC1;
Gene ID	5641
mRNA Refseq	NM_001008530
Protein Refseq	NP_001008530
MIM	602620
UniProt ID	Q99538
Chromosome Location	14q32.12
Pathway	Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Metabolism, organism-specific biosystem;
Function	cysteine-type endopeptidase activity; cysteine-type endopeptidase activity; peptidase activity;