

Recombinant Human LGMN Protein (Ile18-Tyr433), His tagged

Cat. No. LGMN-2623H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human LGMN (Ile18-Tyr433) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ile18-Tyr433
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.
Molecular Mass	47.08 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.

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Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	LGMN legumain [<i>Homo sapiens</i> (human)]
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

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