

Recombinant Human LGMN Protein

Cat. No. LGMN-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGMN Protein without tag was expressed in Leishmania.
Species	Human
Source	Leishmania
Description	<p>This gene encodes a cysteine protease that has a strict specificity for hydrolysis of asparaginyl bonds. This enzyme may be involved in the processing of bacterial peptides and endogenous proteins for MHC class II presentation in the lysosomal/endosomal systems. Enzyme activation is triggered by acidic pH and appears to be autocatalytic. Protein expression occurs after monocytes differentiate into dendritic cells. A fully mature, active enzyme is produced following lipopolysaccharide expression in mature dendritic cells. Overexpression of this gene may be associated with the majority of solid tumor types. This gene has a pseudogene on chromosome 13. Several alternatively spliced transcript variants have been described, but the biological validity of only two has been determined. These two variants encode the same isoform.</p>
Form	Liquid
Molecular Mass	36 kDa
Purity	> 90 % (SDS-PAGE)
Stability	Shelf Life: 12 months

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Storage	Store at -20 centigrade. Avoid freeze/thaw cycles.
Concentration	500 µg/mL
Storage Buffer	20 mM citric acid pH 4.0, 100 mM NaCl, 2 mM DTT
Shipping	Gel packs

GENE INFORMATION

Gene Name	LGMN legumain [Homo sapiens (human)]
Official Symbol	LGMN
Synonyms	LGMN; legumain; AEP; LGMN1; PRSC1; legumain; asparaginyl endopeptidase; cysteine protease 1; protease, cysteine 1; protease, cysteine, 1 (legumain); EC 3.4.22.34
Gene ID	5641
mRNA Refseq	NM_005606
Protein Refseq	NP_005597
MIM	602620
UniProt ID	Q99538

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