

Recombinant Human LGMN Protein, MYC/DDK-tagged

Cat. No. LGMN-526H Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | Recombinant human LGMN protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293. |
| Species | Human |
| Source | HEK293 |
| 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. [provided by RefSeq, Jul 2008]</p> |
| Form | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol. |
| Molecular Mass | 47.6 kDa |
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name legumain[Homo sapiens]

Official Symbol LGMN

Synonyms AEP; LGMN1; PRSC1

Gene ID 5641

mRNA Refseq NM_005606.6

Protein Refseq NP_005597.3

MIM 602620

UniProt ID Q99538

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