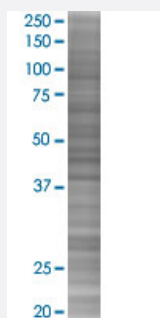


# LGMN 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005641-T02

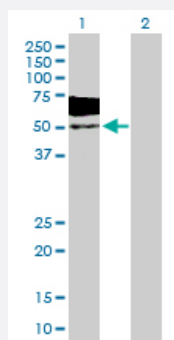
Size 100 uL

## Applications



### SDS-PAGE Gel

LGMN transfected lysate.



### Western Blot

Lane 1: LGMN transfected lysate ( 49.40 KDa)

Lane 2: Non-transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-LGMN full-length

**Host** Human

**Theoretical MW (kDa)** 49.4

**Quality Control Testing** Transient overexpression cell lysate was tested with Anti-LGMN antibody ([H00005641-B01P](#)) by Western Blots.  
SDS-PAGE Gel  
LGMN transfected lysate.  
Western Blot  
Lane 1: LGMN transfected lysate ( 49.40 KDa)  
Lane 2: Non-transfected lysate.

<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — LGMN

<b>Entrez GeneID</b>	<a href="#">5641</a>
<b>GeneBank Accession#</b>	<a href="#">NM_001008530.1</a>
<b>Protein Accession#</b>	<a href="#">NP_001008530.1</a>
<b>Gene Name</b>	LGMN
<b>Gene Alias</b>	AEP, LGMN1, PRSC1
<b>Gene Description</b>	legumain
<b>Omim ID</b>	<a href="#">602620</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	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]
<b>Other Designations</b>	asparaginyl endopeptidase cysteine protease 1 protease, cysteine, 1 (legumain)

## Pathway

- [Antigen processing and presentation](#)
- [Lysosome](#)