



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### LGMN (Human) Recombinant Protein (P01)

**Catalog Number:** H00005641-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human LGMN full-length ORF (AAH03061.1, 1 a.a. - 433 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MVWKVAVFLSVALGIGAIPIDDPEDGGKHWVIVAGSN  
GWYNYRHQADACHAYQIIHRNGIPDEQIVMMYDDIA  
YSEDNPTPGIVINRPNGTDVYQGVPKDYTGEDVTPQN  
FLAVLRGDAEAVKIGSGKVLKSGPQDHFVFIYFTDHGS  
TGILVFPNEDLHVKDLNETIHMYKHKMYRKMVFYIEA  
CESGSMNHLDPDNINVYATTAANPRESSYACYDEKR  
STYLGDWYSVNW MEDSDVEDLTKETLHKQYHLVKSH  
TNTSHVMQYGNKTISTMKVMQFQGMKRKASSPVLPLP  
PVTHLDLTPSPDVPLTIMKRKLMNTNDLEESRQLTEEI  
QRHLDARHLIEKSVRKIVSLLAASEAEVEQLLSERAPLT  
GHSCYPEALLHFRTHCFNWHSPTYEYALRHLYVLVNL  
CEKPYPLHRIKLSMDHVCLGHY

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 73.15

**Applications:** AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 5641

**Gene Symbol:** LGMN

**Gene Alias:** AEP, LGMN1, PRSC1

**Gene Summary:** 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]