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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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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:

MVWKVAVFLSVALGIGAIPIDDPEDGGKHWVVIVAGSN
GWYNYRHQADACHAYQIIHRNGIPDEQIVVMYDDIA
YSEDNPTPGIVINRPNGTDVYQGVPKDYTGEDVTPQN
FLAVLRGDAEAVKGIGSGKVLKSGPQDHFVFIYFTDHGS
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]