

## Recombinant Human LGMN protein, His-tagged

**Cat. No.** LGMN-4655H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human LGMN protein(Q99538)(18-433 aa), fused with N-terminal His tag, was expressed in Yeast.                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 18-433 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Form</b>             | For liquid formulations, the standard storage buffer consists of a Tris or PBS based solution supplemented with 5-50% glycerol. When provided as lyophilized powder, the product undergoes freeze-drying from a Tris- or PBS-based formulation containing 6% trehalose, adjusted to pH 8.0 prior to the lyophilization process.                                                                                                                           |
| <b>Molecular Mass</b>   | 49.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AASequence</b>       | VPIDDPEDGGKHWVIVAGSNGWYNRYHQADACHAYQIIHRNGIPDEQIVVMYDDI<br>AYSEDNPTPGIVINRPNGTDVYQGVPKDYTGEDVTPQNFLAVLRGDAAVKIGISG<br>KVLKSGPQDHFVFIYFTDHGSTGILVFPNEDLHVKDLNETIHYMYKHKMYRKMVFYIEA<br>CESGSMNHLDPNINVYATTAANPRESSYACYDEKRSTYLGDWYSVNW MEDSDV<br>EDLTKETLHKQYHLVKSHNTNTSHVMQYGNKTISTMKVMQFQGMKRKASSPVPLPPV<br>THLDLTPSPDVPLTIMKRKLMNTNDLEESRQLTEEIQRHLDARHLIEKSVRKIVSLAA<br>SEAEVEQLLSERAPLTGHSCYPEALLHFRTHCFNWHSPTYEYALRHLYVLVNLCEKP<br>YPLHRIKLSMDHVCLGHY |

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|                       |                                                                                                                                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | Greater than 95% as determined by SDS-PAGE.                                                                                        |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                     |
| <b>Reconstitution</b> | Please reconstitute protein indeionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot for long-term storage at -80°C. |

## GENE INFORMATION

|                        |                                                                                                                                                                                      |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | LGMN legumain [ Homo sapiens ]                                                                                                                                                       |
| <b>Official Symbol</b> | LGMN                                                                                                                                                                                 |
| <b>Synonyms</b>        | LGMN; legumain; protease, cysteine, 1 (legumain) , PRSC1; LGMN1; cysteine protease 1; protease, cysteine 1; asparaginyl endopeptidase; protease, cysteine, 1 (legumain); AEP; PRSC1; |
| <b>Gene ID</b>         | 5641                                                                                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_001008530                                                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_001008530                                                                                                                                                                         |
| <b>MIM</b>             | 602620                                                                                                                                                                               |
| <b>UniProt ID</b>      | Q99538                                                                                                                                                                               |

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