

Recombinant Mouse Lgmn protein(Val18-Tyr435), His-tagged

Cat. No. Lgmn-303M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse LGMN (NP_035305.1)(Val 18-Tyr 435) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	18-435 a.a.
Form	Supplied as sterile 25mM Tris, 0.15M NaCl, 20% Glycerol, pH 7.5.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, N-carbobenzyloxy-Ala-Ala-Asn-7-amido-4-methyl coumarin(Z-AAN-AMC). The specific activity is > 350 p moles/min/μg.(Activation description: The enzyme achieves its activity under acidic pH)
Molecular Mass	The secreted recombinant mouse LGMN consists of 434 amino acids and has a calculated molecular mass of 49.8 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 55 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 75 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Lgmn legumain [*Mus musculus*]

Official Symbol Lgmn

Synonyms LGMN; legumain; preprolegumain; protease, cysteine 1; protease, cysteine, 1; asparaginyl endopeptidase; AEP; Prsc1; AI746452; AU022324;

Gene ID 19141

mRNA Refseq NM_011175

Protein Refseq NP_035305

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