

Datasheet for ABIN7275144

**LGMN Protein (AA 18-433) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	LGMN
Protein Characteristics:	AA 18-433
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LGMN protein is labelled with His tag.

## Product Details

Purpose:	Human LGMN Protein
Sequence:	Val18-Tyr433
Characteristics:	Recombinant Human LGMN Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Val18-Tyr433.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	LGMN
Alternative Name:	LGMN ( <a href="#">LGMN Products</a> )

## Target Details

Background:	Recently, functional studies have demonstrated that legumain (LGMN) cleaves both amyloid $\beta$ -protein precursor and tau, promoting senile plaques and formation of neurofibrillary tangles, which may play a crucial role in the pathogenesis of Alzheimer's disease (AD). In single-variant association analysis, none of the common variants in LGMN were statistically significant. In gene-based analysis, the LGMN gene also showed no association with AD.
Molecular Weight:	48.6 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Metabolism of Steroid Hormones and Vitamin D</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Toll-Like Receptors Cascades</a>

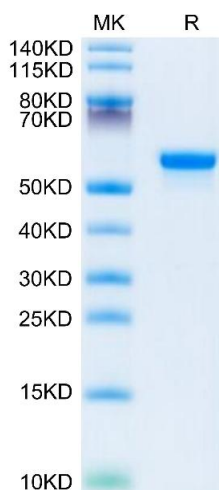
## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Buffer:	Supplied as 0.22 $\mu$ m filtered solution in PBS ( pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

## Images



### SDS-PAGE

**Image 1.** Human LGMN on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .