

Datasheet for ABIN7275145
LGMN Protein (AA 18-435) (His tag)

2 Images

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Overview

Quantity:	100 µg
Target:	LGMN
Protein Characteristics:	AA 18-435
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LGMN protein is labelled with His tag.

Product Details

Purpose:	Mouse LGMN Protein
Sequence:	Val18-Tyr435
Characteristics:	Recombinant Mouse LGMN Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Val18-Tyr435.
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 (LGMN Products)

Target Details

Background:	Recently, functional studies have demonstrated that legumain (LGMN) cleaves both amyloid β -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 55-60 kDa based on Tris-Bis PAGE result.
UniProt:	O89017
Pathways:	Metabolism of Steroid Hormones and Vitamin D , Activation of Innate immune Response , Toll-Like Receptors Cascades

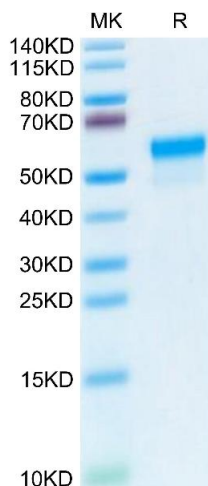
Application Details

Restrictions:	For Research Use only
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Handling

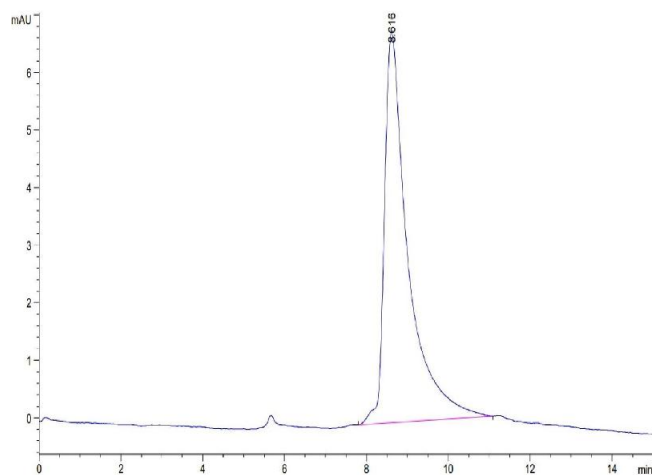
Format:	Liquid
Buffer:	Supplied as 0.22 μ m filtered solution in PBS (pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date: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

Images



SDS-PAGE

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



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse LGMN is greater than 95 % as determined by SEC-HPLC.