Human LGMN Protein

Cat. No. LGM-HM101

Description

Source	Recombinant Human LGMN Protein is expressed from HEK293 with His tag at the N-Terminus.
	It contains Val18-Tyr433.
Accession	Q99538-1
Molecular Weight	The protein has a predicted MW of 48.6 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

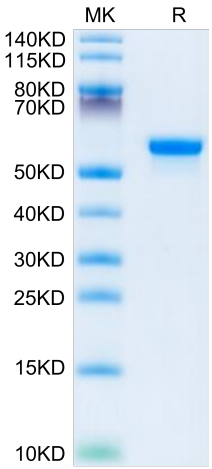
Formulation	Supplied as 0.22μm filtered solution in 50mM Tris, 50mM NaCl, 10% glycerol (pH 7.5).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

Assay Data

Bis-Tris PAGE



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