

Recombinant Human Asparaginyl endopeptidase/Legumain/LGMN Protein

Catalog No.: RP03221LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	5641	AAH03061.1

Tags

C-His

Synonyms

Legumain; Asparaginyl Endopeptidase;
Protease Cysteine 1; LGMN; PRSC1

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
48.72 kDa	55-60 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 10% Glycerol, pH 8.0.

Reconstitution

Background

Legumain is a lysosomal cysteine protease which is a member of the peptidase C13 family. Though it is found in many tissues, it is highly expressed in the kidney, heart, and placenta. Legumain has a strict specificity for hydrolysis of asparaginyl bonds and can also cleave aspartyl bonds slowly, especially under acidic conditions. Over-expression Legumain in tumors is significant for invasion and metastasis. In addition, Legumain may be involved in the processing of proteins for MHC class II antigen presentation in the lysosomal/endosomal system and negative regulation of neuron apoptosis.

Basic Information

Description

Recombinant Human Asparaginyl endopeptidase/Legumain/LGMN Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Ile18-Tyr433) of Human Asparaginyl endopeptidase/Legumain/LGMN (Accession #AAH03061.1) fused with His tag at the C-terminus.

Bio-Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -80°C
Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

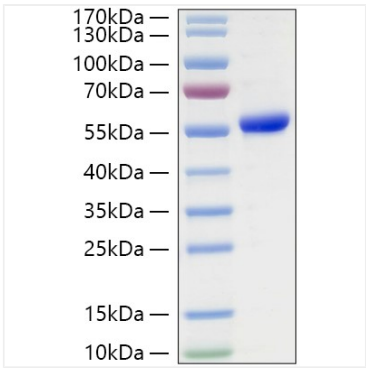
Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Recombinant Human Asparaginyl endopeptidase/Legumain/LGMN Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.