

RP03221LQ

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Recombinant Human Asparaginyl endopeptidase/Legumain/LGMN Protein

Catalog No.: RP03221LQ

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	5641	AAH03061.1

Tags

C-His

Synonyms

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

Product Information

Source	Purification
Mammalian expression system	≥ 95 % as determined by SDS-PAGE.

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

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

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

Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

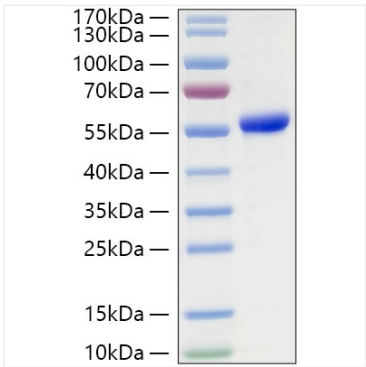
Contact



www.abclonal.com

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Validation Data



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