Recombinant Human Asparaginyl endopeptidase /Legumain/LGMN Protein

Catalog No.: RP03221LQ

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Sequence Information

Species
Human

Gene ID
5641

Swiss Prot
AAH03061.1

Tags
C-His

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

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
48.72 kDa

Observed MW
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.

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 -70℃

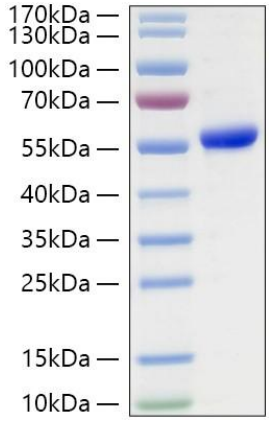
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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