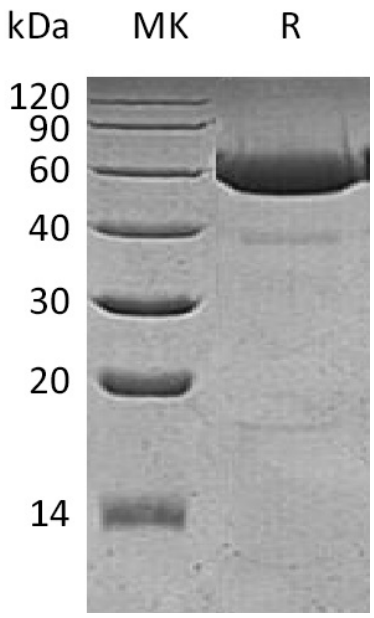
Product Name: Recombinant Human Legumain (C-6His)
Catalog #: PHH1072

Summary

Name	Legumain/Asparaginyl Endopeptidase/AEP
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Legumain/Asparaginyl Endopeptidase is produced by our Mammalian expression system and the target gene encoding Ile18-Tyr433 is expressed with a 6His tag at the C-terminus.The enzyme achieves its activity under acidic pH.
Accession #	AAH03061.1
Host	Human Cells
Species	Human
Predicted Molecular Mass	48.72 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

Product Name: Recombinant Human Legumain (C-6His)
Catalog #: PHH1072



Alternative Names

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

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.

Note

For Research Use Only , Not for Diagnostic Use.