

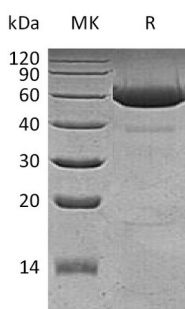
**Product Name: Recombinant Human Legumain (C-6His)**  
**Catalog #: PHH1072**



## Summary

<b>Name</b>	Legumain/Asparaginyl Endopeptidase/AEP
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	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.
<b>Accession #</b>	AAH03061.1
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	48.72 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	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.
<b>Reconstitution</b>	

## SDS-PAGE image



## Background

<b>Alternative Names</b>	Legumain; Asparaginyl Endopeptidase; Protease Cysteine 1; LGMN; PRSC1
<b>Background</b>	Legumain is a lysosomal cysteine protease which is a member of the peptidase C13

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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.