

## 32-7340: Recombinant Human Legumain/Asparaginyl Endopeptidase (C-6His)

**Gene :** LGMN  
**Gene ID :** 5641  
**Uniprot ID :** Q99538

### Description

Source: Human Cells.  
MW :48.72kD.

Recombinant Human Legumain is produced by our Mammalian expression system and the target gene encoding Ile18-Tyr433 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 10% Glycerol, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** IPIDDPEDGGKHWVIVAGSNGWYNYRHQADACHAYQIIHRNGIPDEQIVVMYDDIAYSEDNPTPGIVINRPN  
GTDVYQGVPKDYTGEDVTPQNFLAVLRGDAEAVKIGSGKVLKSGPQDHFVIFYFTDHGSTGILVFPNEDLHVK  
DLNETIHMYKHKMYRKMVFYIEACESGSMNNHLPDNINVYATTAANPRESSYACYDEKRSTYLGDWYSVNW  
MEDSDVEDLTKETLHKQYHLVKSHNTNTSHVMQYGNKTISTMKVMQFQGMKRKASSPVPLPPVTHLDLTPSPD  
VPLTIMKRKLMNTNDLEESRQLTEEIQRHLDARHLIEKSVRKIVSLLAASEAEVEQLLSERAPLTGHSCYPEALLH  
FRTHCFNWHSPTYEYALRHLYVLVNLCEKPYPLHRIKLSMDHVCLGHYVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.