

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 : IPIDDPEDGGKHVVVIVAGSNGWYNYRHQADACHAYQIIHRNGIPDEQIVVMMYDDIAYSEDNPTPGIVINRPN
GTDVYQGVPKDYTGEDVTPQNFLAVLRGDAEAVKGIGSGKVLKSGPQDHVFIYFTDHGSTGILVFPNEDLHVK
DLNETIHYMYKHKMYRKMVFYIEACESGSMNNHLPDNINVYATTAANPRESSYACYDEKRSTYLGDWYSVNW
MEDSDVEDLTKETLHKQYHLVKSHTNTSHVMQYGNKTISTMKVMQFQGMKRKASSPVPLPPVTHLDLTPSPD
VPLTIMKRKLMNTNDLEESRQLTEEIQRHLDARHLIEKSVRKIVSLLAASEAEVEQLLSERAPLTGHSCYPEALLH
FRTHCFNWHSPTYEYALRHLYVLNLCEKPYPLHRIKLSMDHVCLGHYVDHHHHHH

Application Note

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