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Legumain, 18-433aa, Human, His tag, Insect cell

产品货号: TP02801

第三版

别名: LGMN, AEP, LGMN1, PRSC1

**描述:** LGMN, also known as legumain, is a cysteine endopeptidase that shows strict specificity for hydrolysis of asparaginyl bonds. It can also cleave aspartyl bonds slowly, especially under acidic conditions. It required for normal lysosomal protein degradation in renal proximal tubules. They are required for normal degradation of internalized EGFR and play a role in the regulation of cell proliferation via its role in EGFR degradation. Recombinant human LGMN, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**配方:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**分子量:** 48.4kDa (422aa) 40-57kDa (SDS-PAGE under reducing conditions)

**序列:**

VPIDDPEDGGKHWVVIVAGSNGWYNYRHQADACHAYQIIHRNGIPDEQIVVMYDDIAYSEDNPTPGIVINRPNGTDV  
YQGVPKDYTGEDVTPQNFLAVLRGDAEAVKIGSGKVLKSGPQDHVFIYFTDHGSTGILVFPNEDLHVKDLNETIHMY  
KHKMYRKMVFYIEACESGSMNHLPDNINVYATTAANPRESSYACYDEKRSTYLGDWYSVNW MEDSDVEDLTKETLH  
KQYHLVKSHNTSHVMQYGNKTISTMKVMQFQGMKRKASSPVPLPPVTHLDLTPSPDVPLTIMKRKLMNTNDLEESRQL  
TEEIQRHLDARHLIEKSVRKIVSLLAASEAEVEQLLSERAPLTGHSCYPEALLHFRTHCFNWHSPTYEYALRHLYVLVNLCEK  
PYPLHRIKLSMDHVCLGHYHHHHHHH

**纯度:** > 95% by HPLC

**浓度:** 1mg/ml (determined by Absorbance at 280nm)

**内毒素:** <1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.