

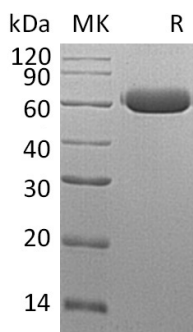
Product Name: Recombinant Mouse Legumain (C-6His)
Catalog #: PHM1073



概述 (Summary)

英文全称	Legumain/Asparaginyl Endopeptidase/AEP
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Mouse Legumain/Asparaginyl Endopeptidase is produced by our Mammalian expression system and the target gene encoding Val18-Tyr435 is expressed with a 6His tag at the C-terminus. The enzyme achieves its activity under acidic pH.
Accession #	O89017
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Mouse
预测分子量 (Predicted MW)	48.7 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 20% Glycerol, pH 8.0.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (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.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



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背景 (Background)

分子别名 (Alternative Names)

Legumain; Lgm; Asparaginyl endopeptidase; Protease cysteine 1; Prsc1

背景介绍 (References)

Mouse Legumain, also known as LGMN, is a cysteine protease belonging to peptidase family C13 and is expressed in kidney and placenta abundantly. LGMN has a strict specificity for hydrolysis of asparaginyl bonds. It can also cleave aspartyl bonds slowly, especially under acidic conditions. The mammalian legumain is involved in the processing of proteins for MHC class II antigen presentation in the lysosomal/endosomal system. It plays a role in the regulation of cell proliferation via its role in EGFR degradation. Legumain deficiency causes the accumulation of pro-Cathepsins B, H and L, another group of lysosomal cysteine proteases. Overexpression of Legumain in tumors is significant for invasion/metastasis. Mammalian legumain is inhibited by iodoacetamide and maleimides. Legumain activation appears to be autocatalytic and can be triggered by acidic pH.

注意事项 (Note)

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