

## Legumain

Catalog No: #AP78864



Package Size: #AP78864-1 50ug #AP78864-2 100ug #AP78864-3 1mg

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## Description

Product Name	Legumain
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	18-323AA
Other Names	PRSC1,Asparaginyl endopeptidase,Protease, cysteine 1
Accession No.	Q99538Gene name:LGMN
Uniprot	Q99538
GeneID	5641;
Calculated MW	33.66
Tag Info	His
Formulation	50mM NaH <sub>2</sub> PO <sub>4</sub> , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Has a strict specificity for hydrolysis of asparaginyl bonds. Can also cleave aspartyl bonds slowly, especially under acidic conditions. Required for normal lysosomal protein degradation in renal proximal tubules. Required for normal degradation of internalized EGFR. Plays a role in the regulation of cell proliferation via its role in EGFR degradation (By similarity). May be involved in the processing of proteins for MHC class II antigen presentation in the lysosomal/endosomal system.

## References

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Note: This product is for in vitro research use only