

Product datasheet

Recombinant Mouse Legumain protein (His tag)  
ab235559

1 Image

Description	
Product name	Recombinant Mouse Legumain protein (His tag)
Purity	> 90 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>O89017</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	VPVGVDDPEDGGKHWVVIVAGSNGWYNYRHQADACHAY QIIHRNGIPDEQ IIVMMYDDIANSEENPTPGVVINRPNGTDVYKGVLKDYTGE DVTPENFLA VLRGDAEAVKKGSGKVLKSGPRDHVFYFTDHGATGILV FPNDDLHVKD LNKTIRYMYEHKMYQKMVFYIEACESGSMNMNHLPPDDINVYA TTAANPKES SYACYDEERGTYLGDWYSVNW MEDSDVEDLTKETLHK QYHLVKSHTNTS HVMQYGNKSISTMKVMQFQGMKHRASSPISLPPVTHLDLT PSPDVPLTIL KRKLLRTN
Predicted molecular weight	39 kDa including tags
Amino acids	18 to 325
Tags	His tag N-Terminus
Additional sequence information	This product is the mature full length protein from aa 18 to 325. The signal peptide and propeptide are not included.

**Specifications**

Our **Abpromise guarantee** covers the use of **ab235559** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Liquid

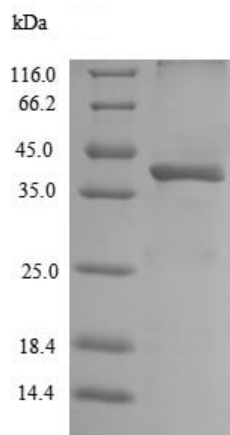
## Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.2 Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)
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## General Info

<b>Function</b>	Has a strict specificity for hydrolysis of asparaginyl bonds. Can also cleave aspartyl bonds slowly, especially under acidic conditions. May be involved in the processing of proteins for MHC class II antigen presentation in the lysosomal/endosomal system.
<b>Tissue specificity</b>	Ubiquitous. Particularly abundant in kidney, heart and placenta.
<b>Sequence similarities</b>	Belongs to the peptidase C13 family.
<b>Post-translational modifications</b>	Glycosylated.
<b>Cellular localization</b>	Lysosome.

## Images



SDS-PAGE - Recombinant Mouse Legumain protein  
(His tag) (ab235559)

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel of ab235559.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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