

Recombinant Human Legumain protein (Tagged)
ab198767

Description	
Product name	Recombinant Human Legumain protein (Tagged)
Purity	> 90 % SDS-PAGE. ab198767 was refolded using a unique temperature shift inclusion body refolding technology and chromatographically purified.
Expression system	Escherichia coli
Accession	<u>Q95M12</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MASMTGGQQMGRGHHHHHHGNLYFQGGEFVPIDDPEDG GKHWWVMAGSN GWYNYRHQADACHAYQIIHRNGIPDEQVVMYDDIAYSED NPTPGVIN RPNGTDVYQGVPKDYTGEDVTPQNFLAVLRGDAAVKGI GSGKVLKSGPQ DHVFIYFTDHGSTGILVFPNEDLHVKDLNETIHYMYKHKMYR KMFYIEA CESGSMNHLPDNINVYATTAANPRESSYACYDEKRSTY LGDWYSVNW EDSDVEDLTKETLHKQYHLVKSHTNTSHVMQYGNKTISTM KVMQFQGMKR KASSPVPLPPVTHLDLTPSPDVPLTIMKRKLMNTNDLEES RQLTEEIQRH LDARHLIEKSVRKIVSLLAASEAEVEQLLSERAPLTGHSCY PEALLHFRT HCFNWHSPTYEYALRHLVVLNLCCKPYPLHRIKLSMDHV CLGHY
Predicted molecular weight	51 kDa including tags
Amino acids	18 to 433
Additional sequence information	This is the mature protein without the signal peptide expressed with a 29 amino acid N-terminal T7-His-TEV cleavage tag.

Specifications

Our **Abpromise guarantee** covers the use of **ab198767** in the following tested applications.

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

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituent: 0.32% Tris HCl

Contains NaCl, KCl, Sucrose and DTT.

General Info

Function 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.

Tissue specificity Ubiquitous. Particularly abundant in kidney, heart and placenta.

Sequence similarities Belongs to the peptidase C13 family.

Post-translational modifications Glycosylated.

Cellular localization Lysosome.

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

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