

Product datasheet

Recombinant Human Pepsin protein ab159101

[1 Image](#)

Description

Product name	Recombinant Human Pepsin protein
Expression system	Wheat germ
Accession	<u>P0DJD9</u>
Protein length	Protein fragment
Animal free	Yes
Nature	Recombinant
Species	Human
Sequence	WNQGLVSQDLFSVYLSADDKSGSVVIFGGIDSSYYTGSLN WVPVTVGEYW QITVDSITMNGETIACAEGCQAMDTGTSLLTGPTSPIANIQS DIGASEN SDGD
Amino acids	203 to 306
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab159101** in the following tested applications.

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

Applications	ELISA Western blot
Form	Liquid

Additional notes

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

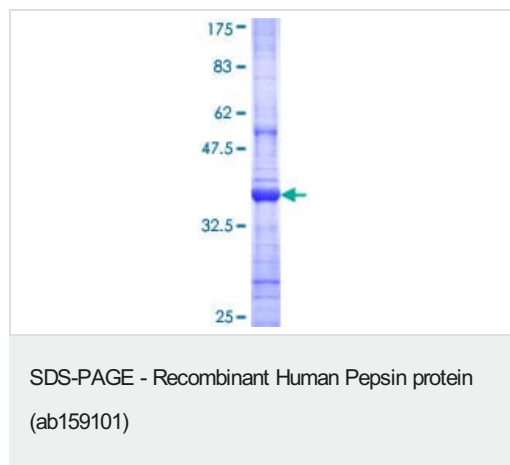
Relevance

Pepsin is a digestive enzyme with particularly broad specificity. It is stored as pepsinogen, so only released when needed. In the stomach, chief cells release pepsinogen. The hormone gastrin and the vagus nerve trigger the release of both pepsinogen and HCl from the stomach lining when food is ingested. HCl creates an acidic environment which allows pepsinogen to unfold and cleave itself in an autocatalytic fashion, thereby generating pepsin (the active form). Pepsin may then cleave the dietary proteins into smaller peptides.

Cellular localization

Secreted

Images



ab159101 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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
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