

Product datasheet

Recombinant human Galectin 3 protein (Active)  
ab50236

Description

<b>Product name</b>	Recombinant human Galectin 3 protein (Active)
<b>Biological activity</b>	Chemotactic activity, as determined by its ability to chemoattract human blood monocytes, was observed at a concentration of 2.5 µg/ml with a peak response obtained at 250 µg/ml.
<b>Purity</b>	>= 98 % SDS-PAGE. >=98% HPLC analyses.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<a href="#">P17931</a>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	ADNFSLHDAL SGSGNPNPQG WPGAWGNQPA GAGGYPGASY PGAYPGQAPP GAYPGQAPPG AYHGAPGAYP GAPAPGVYYPG PPSGPGAYPS SGQPSAPGAY PATGPYGAPA GPLVYPYNLP LPGGVVPRML ITILGTVKPN ANRIALDFQR GNDVAFHFNP RFNENNRRI VCNTKLDNNW GREERQSVFP FESGKPFKIQ VLVEPDHFKV AVNDAHLLQY NHRVKKLNEI SKLGISGDID LTSASYTMI
<b>Predicted molecular weight</b>	26 kDa
<b>Amino acids</b>	2 to 250
<b>Additional sequence information</b>	Full length mature protein, without the initiator methionine.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab50236** 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>	HPLC
	Functional Studies
	SDS-PAGE

**Form** Lyophilized

## Preparation and Storage

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**Stability and Storage** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

**Reconstitution** Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4C for 1 week or -20C for future use.

## General Info

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**Function** Galactose-specific lectin which binds IgE. May mediate with the alpha-3, beta-1 integrin the stimulation by CSPG4 of endothelial cells migration. Together with DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis.

**Tissue specificity** A major expression is found in the colonic epithelium. It is also abundant in the activated macrophages.

**Sequence similarities** Contains 1 galectin domain.

**Cellular localization** Nucleus. Cytoplasmic in adenomas and carcinomas. May be secreted by a non-classical secretory pathway and associate with the cell surface.

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**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

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- 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.

## Terms and conditions

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