

## Product datasheet

# Recombinant human galectin 9/Gal-9 protein (Fc Chimera Active) ab214991

### Description

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<b>Product name</b>	Recombinant human galectin 9/Gal-9 protein (Fc Chimera Active)
<b>Biological activity</b>	Measured by its binding ability in a functional ELISA.
<b>Purity</b>	> 95 % SDS-PAGE.
<b>Endotoxin level</b>	< 5.000 Eu/mg
<b>Expression system</b>	HEK 293 cells
<b>Accession</b>	<b><u>O00182-2</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	AFSGSQAPYLSPAVPFSGTIQGGQLQDGLQITVNGTVLSSS GTRFAVNFQT GFSGNDIAHFHNPREFEDGGYVCNTRQNGSWGPEERKTH MPFQKGMPFDL CFLVQSSDFKVMVNGILFVQYFHRVPFHRVDTISVNGSVQ LSYISFQPPG VWPANPAPITQTVIHTVQSAPGQMFSTPAIPPMYPHPAY PMPFITILG GLYPSKSILLSGTVLPSAQRFHINLCSGNHIAFHNLNPRFDEN AVVRNTQI DNSWGSEERSLPRKMPFVRGQSFSVWILCEAHCLKVAV DGQHLEFEYYHRL RNLPTINRLEVGGDIQLTHVQT
<b>Predicted molecular weight</b>	70 kDa including tags
<b>Amino acids</b>	2 to 323
<b>Additional sequence information</b>	Fused to the N-terminus of the Fc region of Human IgG1 (AAI05943.1).

### Specifications

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Our **Abpromise guarantee** covers the use of **ab214991** 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>	Functional Studies SDS-PAGE
<b>Form</b>	Lyophilized
<b>Additional notes</b>	Previously labelled as galectin 9.

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. Constituent: 100% PBS  Lyophilized from 0.2µm filtered solution. This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>Reconstitution</b>	Reconstitute with 50 µl sterile water. Add 1X PBS to the desired protein concentration.

## General Info

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<b>Function</b>	Binds galactosides. Has high affinity for the Forssman pentasaccharide. May play a role in thymocyte-epithelial interactions relevant to the biology of the thymus. Inhibits cell proliferation. It is a ligand for HAVCR2/TIM3. Induces T-helper type 1 lymphocyte (Th1) death. Isoform Short acts as an eosinophil chemoattractant.
<b>Tissue specificity</b>	Peripheral blood leukocytes and lymphatic tissues. Overexpressed in Hodgkin disease tissue.
<b>Sequence similarities</b>	Contains 2 galectin domains.
<b>Domain</b>	Contains two homologous but distinct carbohydrate-binding domains.
<b>Cellular localization</b>	Cytoplasm. Secreted. May also be secreted by a non-classical secretory pathway.

**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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