

Product datasheet

Recombinant Human galectin 9 / Gal-9 protein
ab117677

Overview

Product name	Recombinant Human galectin 9 / Gal-9 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Accession	O00182
Species	Human
Sequence	<p>MGSSHHHHHH SSGLVPRGSH MAFSGSQAPY LSPAVPFSGT IQGGLQDGLQ ITVNGTVLSS SGTRFAVNFQ TGFSGNDIAF HFNPRFEDGG YVVCNTRQNG SWGPEERKTH MPFQKGMPFD LCFLVQSSDF KVMVNGILFV QYFHRVPFHR VDTISVNGSV QLSYISFQ</p>
Molecular weight	19 kDa including tags
Amino acids	1 to 148
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab117677** 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
Purity	> 90 % SDS-PAGE. ab117677 was purified by proprietary chromatographic techniques and filter sterilized.
Form	Liquid
Additional notes	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Previously labelled as galectin 9.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Please see notes section.

pH: 8.00

Constituents: 0.32% Tris HCl, 0.58% Sodium chloride, 20% Glycerol

General Info

Function

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.

Tissue specificity

Peripheral blood leukocytes and lymphatic tissues. Overexpressed in Hodgkin disease tissue.

Sequence similarities

Contains 2 galectin domains.

Domain

Contains two homologous but distinct carbohydrate-binding domains.

Cellular localization

Cytoplasm. Secreted. May also be secreted by a non-classical secretory pathway.

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