

Product datasheet

Recombinant Human galectin 9 protein ab117677

Overview

Product name	Recombinant Human galectin 9 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Accession	O00182
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MAFSGSQAPY LSPAVPFSGT IQGGLQDGLQ ITVNGTVLSS SGTRFAVNFQ TGFSGNDIAF HFNPRFEDGG YVVCNTRQNG SWGPEERKTH MPFQKGMPFD LCFLVQSSDF KVMVNGILFV QYFHRVPFHR VDTISVNGSV QLSYISFQ
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.

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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