

ARG70463 Human Galectin 9 recombinant protein (Active) (His-tagged, N-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (N-ter) Active Human Galectin 9 recombinant protein
Tested Application	SDS-PAGE
Target Name	Galectin 9
Species	Human
A.A. Sequence	Ala2 - Thr355
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability of the immobilized protein to support the adhesion of Jurkat cells. The ED50 for this effect is < 3 µg/mL.
Alternate Names	LGALS9; Galectin 9; LGALS9A; Lectin, Galactoside-Binding, Soluble, 9; Tumor Antigen HOM-HD-21; Galectin-9; Ecalectin; Gal-9

Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

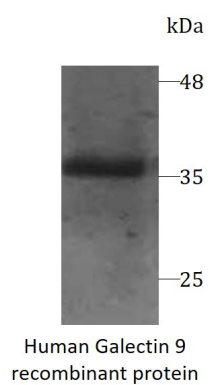
Gene Symbol	LGALS9
Gene Full Name	Galectin 9
Background	The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The protein encoded by this gene is an S-type lectin. It is overexpressed in Hodgkin's disease tissue and might participate in the interaction between the H&RS cells with their surrounding cells and might thus play a role in the pathogenesis of this disease and/or its associated immunodeficiency. Multiple alternatively spliced transcript variants have been found for this gene.
Function	May play a role in thymocyte-epithelial interactions relevant to the biology of the thymus. May provide the molecular basis for urate flux across cell membranes, allowing urate that is formed during purine metabolism to efflux from cells and serving as an electrogenic transporter that plays an important role

in renal and gastrointestinal urate excretion.

Cellular Localization

Cytoplasm, Nucleus, Secreted

Images



ARG70463 Human Galectin 9 recombinant protein (Active) (His-tagged, N-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70463 Human Galectin 9 recombinant protein (Active) (His-tagged, N-ter)