

Human Galectin-9, His Tag, E. coli

Catalog Number	LDG146PHE
Package	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human

Expression System

Escherichia coli

Affinity Tag

His Tag (N-term)

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Purity

>98% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 36.7 kDa. The protein migrates as 37 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to chemoattract human THP1 cells using a concentration range of 0.5-2.5 µg/mL.

Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

Form

Lyophilized

Background

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Background

Galectin-9 (Gal-9) is a lectin family member and is one of the tandem repeat-type galectins containing two carbohydrate recognition domains (CRD) connected by a linker region in a single peptide chain. The CRD is responsible for β -galactoside binding, and several binding partners for galectin-9 have been identified, including CD44, FGL, Gcgr, GLUT- 2, IgE, IgM, PDI, and Tim-3. Galectin-9 is constitutively presented in the small intestine, liver, uterine epithelial cells, skin epidermis, and esophageal epithelium. Galectin-9 contributing to cell growth, differentiation, adhesion, communication, and death. Accumulated evidence indicates that Gal-9 blockade promotes T cell immunity against tumors, suggesting that galectin-9 is a promising target for immunotherapy.

Uniprot ID

#O00182

Synonyms

Gal-9, Ecalectin, Tumor antigen HOM-HD-21

Sequence Note

Ala2-Thr355

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration of 200 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

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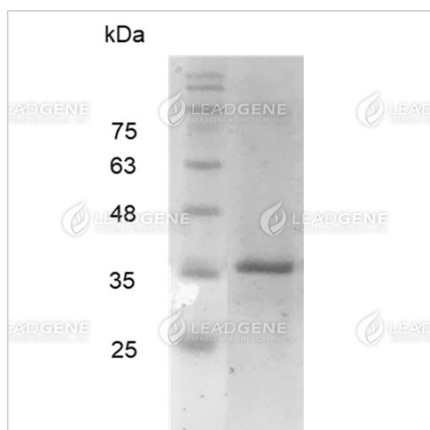
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Image



SDS-PAGE analysis of recombinant human Galectin-9.

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