

Human Galectin-12, His Tag, E. coli

Catalog Number	LDG148PHE
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

Affinity Tag

His Tag (N-term)

Purity

>98% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to chemoattract human THP1 cells using a concentration range of 10-100 ng/mL.

Form

Lyophilized

Expression System

Escherichia coli

Storage Buffer

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

Molecular weight

The protein has a calculated MW of 38.4 kDa. The protein migrates as 38 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin Level

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

Background

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Background

Galectin-12 (Gal-12) 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 is required to interact with the VPS13C protein. It has been reported that galectin-12 is presented in the adipose tissue but also expressed in macrophages and other leukocytes. Galectin-12 participates in many biological activities including cell cycle regulation, apoptosis, and cell differentiation. Moreover, galectin-12 has emerged as a crucial factor in driving the macrophage to M1 polarization, leading to inflammation and reducing insulin sensitivity in adipocytes.

Uniprot ID

#Q96DT0

Synonyms

Gal-12, Galectin-related inhibitor of proliferation

Sequence Note

Ser2-Ser336

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 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:

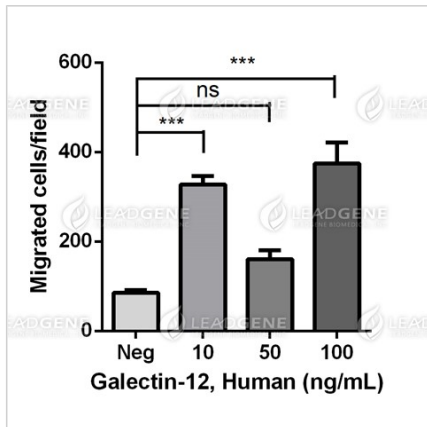
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

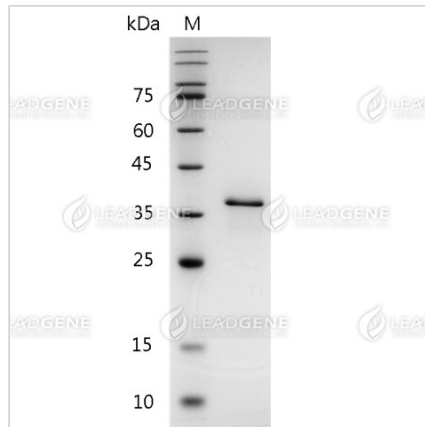
Shipping

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

Image



Measure by its ability to chemoattract human THP1 cells using a concentration range of 10-100 ng/mL. Activity analysis of recombinant Human Galectin-12, His Tag, E. coli.



SDS-PAGE analysis of recombinant human Galectin-12.

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