

Recombinant Human Galectin-9/LGALS9 Protein

Catalog No.: RP00557 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3965	Q3B8N1-2

Tags

C-6xHis

Synonyms

LGALS9;HUAT;LGALS9A

Background

Galectin-9 is a cytoplasmic protein that contains two galectin domains. Galectin-9 is an S-type lectin that is over-expressed in Hodgkin's disease tissue. Galectin-9 binds galactosides and has high affinity for the Forssman pentasaccharide. Galectin-9 plays a role in thymocyte-epithelial interactions relevant to the biology of the thymus and inhibits cell proliferation. Galectin-9 is a ligand for HAVCR2/TIM3 and induces T-helper type 1 lymphocyte (Th1) death. In addition, Galectin-9 suppresses tumor cell metastasis by interfering with the associations CD44, VCAM-1, Integrin $\alpha 4 \beta 1$.

Basic Information

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μ m filtered solution of PBS, 5% Trehalose, 1mM EDTA, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Description

Recombinant Human Galectin-9/LGALS9 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Met1-Thr323) of human Galectin-9/LGALS9 (Accession #Q3B8N1-2) fused with a 6xHis tag at the C-terminus.

Bio-Activity

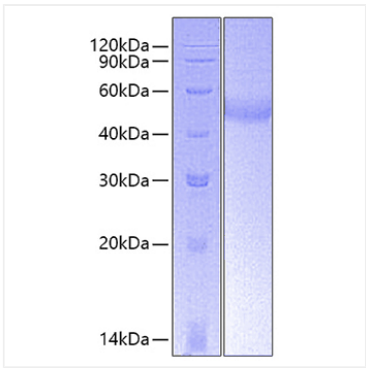
Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

 | www.abclonal.com

Validation Data



Recombinant Human Galectin-9/LGALS9
Protein was determined by SDS-PAGE
under reducing conditions with Coomassie
Blue.