### **RMCH151**

Recombinant Galectin-4, Human, AF



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Synonym/Alternative name(s): LGALS4, GAL4, L36LBP

### Activity:

Measured by its ability to agglutinate human red blood cells.

The ED50 for this effect is  $<8 \mu g/mL$ .

☐ 5ug;20ug;100ug;500ug;

# **Protein Description:**

The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The expression of this gene is restricted to small intestine, colon, and rectum, and it is underexpressed in colorectal cancer. Galectin-4 is a protein that in humans is encoded by the LGALS4 gene. LGALS4 is an S-type lectin that is strongly underexpressed in colorectal cancer.

**Protein Accession:** P56470.1

Gene ID: 3960

### **Expression Sequence:**

AYVPAPGYQPTYNPTLPYYQPIPGGLNVGMSVYIQGVASEHMKRFFVNFVVGQDPGSDVAFHFNPRFDGWDKVVFNTLQGGKWGS EERKRSMPFKKGAAFELVFIVLAEHYKVVVNGNPFYEYGHRLPLQMVTHLQVDGDLQLQSINFIGGQPLRPQGPPMMPPYPGPGHCH QQLNSLPTMEGPPTFNPPVPYFGRLQGGLTARRTIIIKGYVPPTGKSFAINFKVGSSGDIALHINPRMGNGTVVRNSLLNGSWGSEEKKI THNPFGPGQFFDLSIRCGLDRFKVYANGQHLFDFAHRLSAFQRVDTLEIQGDVTLSYVQI with polyhistidine tag at the Nterminus.

Fusion tag: His-tag?at?the?N-terminus

**Species:** Human **Reactivity:** Human

Expression Host: Escherichia coli

Source: E. coli Purity/method:

>98% as determined by SDS-PAGE. Ni-NTA chromatography

# **Endotoxin level:**

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

Calculated Molecular Weight: 36.8 kDa

### Formulation:

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

## **Reconstitution:**

It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100  $\mu g/mL$ and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping: Blue Ice

# Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or

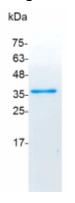
stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category: Cytokines

**Application:** Cell culture, Elisa

# Image:



SDS- PAGE analysis of recombinant human Galectin-

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