

**RMCH151**

Recombinant Galectin-4, Human , AF

 5ug;20ug;100ug;500ug;

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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 µg/mL.

**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:**

AYVPAPGYQPTYNPTLPYYQPIPGGLNVGMSVYIQGVASEHMKRFFVNFVVGQDPGSDVAFHFNPRFDGWDKVVFNLTQGGKWGS  
EERKRSMPPFKKGAAFELVFIVLAEHYKVVVNGNPFYEYGHRLPLQMVTHLQVDGDLQSQSINFIGGQPLRPQGGPMMPPYPGPGHCH  
QQLNSLPTMEGPPTFNPPVPYFGRLQGGLTARRTIIKGYVPPTGKSFAINFKVGSSGDIALHINPRMGNGTVVRNSLLNGSWGSEEKI  
THNPFPGQFFDLSIRCGLDRFKVYANGQHLEDFAHRLSAFQRVDTLEIQGDVTLVYVQI with polyhistidine tag at the N-terminus.

**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 H<sub>2</sub>O to a concentration not less than 100 µg/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-4