

Recombinant Human Lectin, Galactoside-Binding, Soluble, 4, His-tagged

Cat. No. LGALS4-5069H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Galectin-4 protein was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	Galectin-4 belongs to a subfamily of galectins composed of two carbohydrate recognition domains within the same peptide chain. The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions, which inhibits chronic inflammations, GVHD, and allergic reactions. The expression of this gene is restricted to small intestine, colon, and rectum, and it is underexpressed in colorectal cancer.
Concentration	1 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 10% glycerol, and 1mM DTT.
Purity	> 95% by SDS - PAGE
Sequence	1-323 amino acids: MGSSHHHHHH SSGLVPRGSH MAYVPAPGYQ PTYNPTLPYY QPIPGGLNVG MSVYIQGVAS EHMKRFFVNF VVGQDPGSDV AFHFNPRFDG WDKVVFNTLQ GGKKGWSEERK RSMFVKKGAA FELVFIVLAE HYKVVVNGNP

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FYEYGHRLPL QMVTHLQVDG DLQLQSINFI GGQPLRPQGP PMMPYPGPG
HCHQQLNSLP TMEGPPTFNP PVPYF

Molecular Mass	38.1 kDa (343aa), confirmed by MALDI-TOF.
Applications	SDS-PAGE
Storage	Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	LGALS4 lectin, galactoside-binding, soluble, 4 [Homo sapiens]
Official Symbol	LGALS4
Synonyms	LGALS4; lectin, galactoside-binding, soluble, 4; GAL4; L36LBP; galectin-4; galectin 4; lactose-binding lectin 4; L-36 lactose-binding protein; Antigen NY-CO-27
Gene ID	3960
mRNA Refseq	NM_006149
Protein Refseq	NP_006140
MIM	602518
UniProt ID	P56470
Chromosome Location	19q13.2

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Function protein binding; sugar binding

PDB rendering
based on 1x50.



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