

Active Recombinant Human LGALS4 Protein (Ala2-Ile323), N-His tagged, Animal-free, Carrier-free

Cat. No. LGALS4-192H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGALS4 Protein (Ala2-Ile323) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ala2-Ile323
Description	Galectin-4 (Gal-4) 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 several binding partners for galectin-4 have been identified, including human blood group antigens, glycoproteins, mucin like membrane MUC1, glycosphingolipids, and sulfated cholesterol. Galectin-4 is constitutively presented in the intestine and stomach, uterine epithelial cells, blood vessel walls, hippocampal and cortical neurons. It serves important functions in numerous biological activities including lipid raft stabilization, protein apical trafficking, cell adhesion, wound healing, intestinal inflammation, and host defense.
Form	Lyophilized
Bio-activity	Measured by its ability to agglutinate human red blood cells. The ED50 for this effect is < 8

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	µg/mL.
Molecular Mass	The protein has a calculated MW of 36.8 kDa. The protein migrates as 37 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/µg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	LGALS4 lectin, galactoside-binding, soluble, 4 [Homo sapiens (human)]
Official Symbol	LGALS4
Synonyms	LGALS4; lectin, galactoside-binding, soluble, 4; galectin-4; GAL4; galectin 4; gal-4; antigen NY-CO-27; lactose-binding lectin 4; L-36 lactose-binding protein; L36LBP;

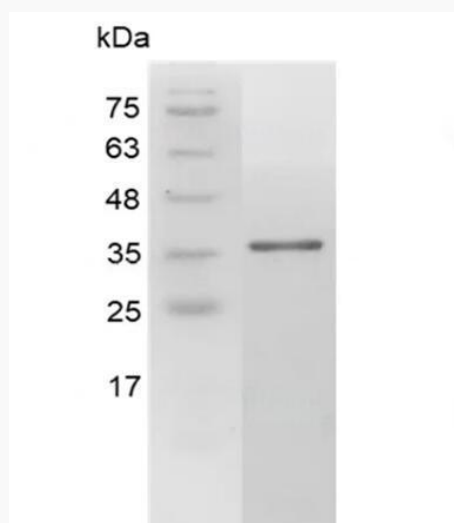
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Gene ID	3960
mRNA Refseq	NM_006149
Protein Refseq	NP_006140
MIM	602518
UniProt ID	P56470

**SDS-PAGE analysis
of recombinant
human Galectin-4.**



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