

Active Recombinant Human LGALS2 Protein (Thr2-Glu132), N-His tagged, Animal-free, Carrier-free

Cat. No. LGALS2-190H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGALS2 Protein (Thr2-Glu132) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Thr2-Glu132
Description	Galectin-2 (Gal-2) is a lectin family member and structurally closely related to galectin-1. It contains one carbohydrate recognition domain (CRD), responsible for β -galactoside binding, and is biologically active as homodimers. Galectin-2 serves as a proapoptotic effector for activated T cells through caspase-3 signaling. Moreover, galectin-2 has emerged as a crucial factor in driving the macrophage to CD40-positive M1 polarization, leading to arteriogenesis attenuation and collateral arteries remodeling.
Form	Lyophilized
Bio-activity	Measured by its ability to agglutinate human red blood cells. The ED50 for this effect is < 20 μ g/mL.
Molecular Mass	The protein has a calculated MW of 15.5 kDa. The protein migrates as 15 kDa under reducing condition (SDS-PAGE analysis).

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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	LGALS2 lectin, galactoside-binding, soluble, 2 [Homo sapiens (human)]
Official Symbol	LGALS2
Synonyms	LGALS2; lectin, galactoside-binding, soluble, 2; galectin-2; galectin 2; HL14; gal-2; S-Lac lectin 2; lactose-binding lectin 2; beta-galactoside-binding lectin L-14-II; MGC75071;
Gene ID	3957
mRNA Refseq	NM_006498

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Protein Refseq NP_006489

MIM 150571

UniProt ID P05162

**SDS-PAGE analysis
of recombinant
human Galectin-2.**

kDa

75

63

48

35

25

17

10



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