

Active Recombinant Human LGALS3 Protein (Ala2-Ile250), N-His tagged, Animal-free, Carrier-free

Cat. No. LGALS3-191H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGALS3 Protein (Ala2-Ile250) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ala2-Ile250
Description	Galectin-3 (Gal-3) is one of the lectin family members, which is the only chimera-type galectin, containing one carbohydrate recognition domain (CRD) connected to a long, flexible N-terminal domain. The C-terminal CRD is responsible for β -galactoside binding, and the N-terminal domain is essential for its multimerization, and interaction with other intracellular proteins. Galectin-3 is predominantly presented in the cytoplasm and expressed on the cell surface, and then often secreted into biological fluids, such as serum and urine. Numerous studies have indicated that galectin-3 plays a crucial role in cell proliferation, apoptosis, gene expression, immune surveillance, inflammation, fibrosis, and host defense.
Form	Lyophilized
Bio-activity	Measured by its ability to chemoattract human PBMC using a concentration range of 2.5-25 μ g/mL. Note: Results may vary from different PBMC donors.

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Molecular Mass	The protein has a calculated MW of 27 kDa. The protein migrates as 32 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>95% 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	LGALS3 lectin, galactoside-binding, soluble, 3 [Homo sapiens (human)]
Official Symbol	LGALS3
Synonyms	LGALS3; lectin, galactoside-binding, soluble, 3; LGALS2; galectin-3; galectin 3; GALIG; MAC 2; lectin L-29; 35 kDa lectin; MAC-2 antigen; IgE-binding protein; laminin-binding protein; galactose-specific lectin 3; carbohydrate-binding protein 35; L31; GAL3; MAC2; CBP35; GALBP;

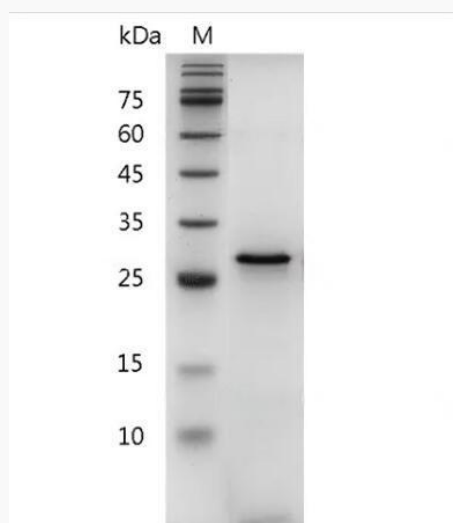
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Gene ID	3958
mRNA Refseq	NM_001177388
Protein Refseq	NP_001170859
MIM	153619
UniProt ID	P17931

**SDS-PAGE analysis
of recombinant
human Galectin-3.**



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