

Recombinant Human LGALS3 protein, His-tagged

Cat. No. LGALS3-276H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGALS3 (Met1-Ile250) protein was fused to His-tag at N-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Met1-Ile250
Description	Galectin-3 (Gal-3) is also known as LGALS3, 35 kDa lectin, Carbohydrate-binding protein 35 (CBP 35), Galactose-specific lectin 3, Galactoside-binding protein (GALBP), IgE-binding protein, Laminin-binding protein, Mac-2 antigen, Lectin L-29. Galectin-3 is a member of the lectin family. LGALS3/Galectin-3 is expressed in the nucleus, cytoplasm, mitochondrion, cell surface, and extracellular space. LGALS3/Galectin-3 has been shown to be involved in the following biological processes: cell adhesion, cell activation and chemoattraction, cell growth and differentiation, cell cycle, and apoptosis.
Predicted N Terminal	Met1
Form	Lyophilized from 0.22 µm filtered solution in 50 mM HEPES, 150 mM NaCl, pH7.5. Normally sucrose is added as protectant before lyophilization.
Molecular Mass	The protein has a calculated MW of 27.5 kDa. The protein migrates as 35-41 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	LGALS3
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
Gene ID	3958
mRNA Refseq	NM_001177388
Protein Refseq	NP_001170859

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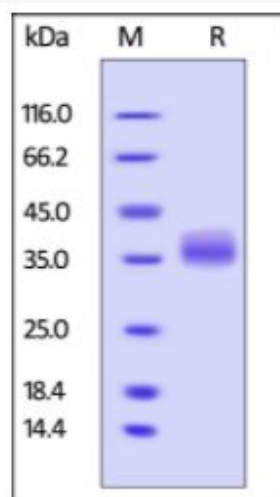
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MIM 153619

UniProt ID P17931

**SDS-PAGE of
LGALS3-276H**



Human Galectin-3, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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