Recombinant Human LGALS4 protein, His-tagged

Cat. No. LGALS4-323H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGALS4 protein (Met1-Ile323), fused to His tag at N-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	323
Description	Galectin-4 (Gal-4), also known as L36LBP (L-36 lactose-binding protein). The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Galectin-4 expression is concentrated within microvilli in the gastrointestinal epithelium, where it can interact with CD3 and bind activated T cells in the lamina propria during intestinal inflammation. LGALS4 is an S-type lectin that is strongly underexpressed in colorectal cancer.
Form	Lyophilized from 0.22 um 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 38.1 kDa. The protein migrates as 40-44 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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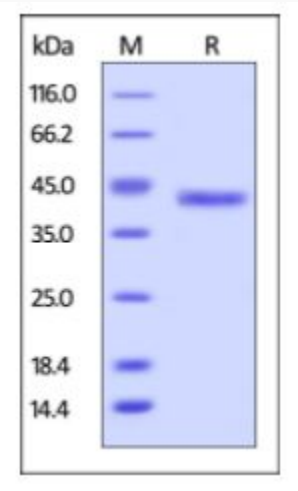
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile 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℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	LGALS4
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
Gene ID	3960
mRNA Refseq	NM_006149
Protein Refseq	NP_006140
MIM	602518
UniProt ID	P56470

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SDS-PAGE of LGALS4-323H



Human Galectin-4, 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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