

Recombinant Human LGALS3BP protein, His & T7-tagged

Cat. No. LGALS3BP-1771H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGALS3BP aa. (Met24~Leu221 (Accession # Q08380)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met24~Leu221
Description	The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. LGALS3BP has been found elevated in the serum of patients with cancer and in those infected by the human immunodeficiency virus (HIV). It appears to be implicated in immune response associated with natural killer (NK) and lymphokine-activated killer (LAK) cell cytotoxicity. Using fluorescence in situ hybridization the full length 90K cDNA has been localized to chromosome 17q25. The native protein binds specifically to a human macrophage-associated lectin known as Mac-2 and also binds galectin 1.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.3kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Characteristic	The isoelectric point is 4.8.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	LGALS3BP galectin 3 binding protein [Homo sapiens (human)]
Official Symbol	LGALS3BP
Synonyms	Lrp5; LDL receptor related protein 5; low-density lipoprotein receptor-related protein 5
Gene ID	3959
mRNA Refseq	NM_005567.3
Protein Refseq	NP_005558.1

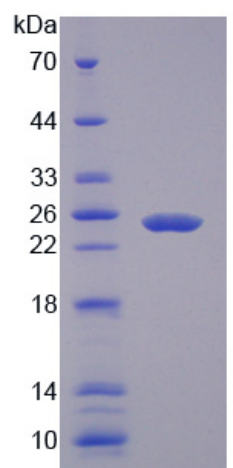
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UniProt ID

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SDS-PAGE

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