

Active Recombinant Human LGALS3BP Protein, His tagged

Cat. No. LGALS3BP-156H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human LGALS3BP Protein (Val19-Asp585) with a C-terminal 10-His tag was expressed in Mouse myeloma cell line.
Species	Human
Source	Mouse myeloma cell line
ProteinLength	19-585 aa
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.
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Human Galectin-3BP/MAC-2BP is immobilized at 0.5 µg/mL, 100 µL/well, It can bind Recombinant Human Galectin-3 with an ED50 of 0.2-1 µg/mL.
Molecular Mass	65 kDa
N-terminal Sequence	Val19

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Analysis	
Endotoxin	<0.10 EU/μg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS and DTT with Trehalose.
Shipping	The product is shipped at ambient temperature.
Reconstitution	Reconstitute at 500 μg/mL in PBS.

GENE INFORMATION

Gene Name	LGALS3BP lectin, galactoside-binding, soluble, 3 binding protein [Homo sapiens (human)]
Official Symbol	LGALS3BP
Synonyms	LGALS3BP; galectin 3 binding protein; 90K; M2BP; gp90; CyCAP; BTBD17B; MAC-2-BP; TANGO10B; galectin-3-binding protein; L3 antigen; MAC2BP; Mac-2-binding protein; basement membrane autoantigen p105; lectin galactoside-binding soluble 3-binding protein; mac-2 BP; serum protein 90K; transport and golgi organization 10 homolog B; tumor-associated antigen 90K; EC 3.6.1.6

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Gene ID 3959

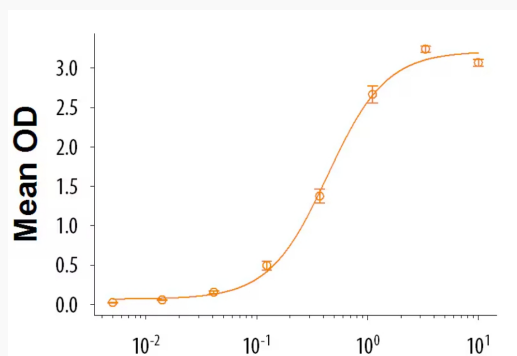
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Protein Refseq NP_005558.1

MIM 600626

UniProt ID Q08380

Bioactivity



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