

# Active Recombinant Human LGALS3BP Protein, His tagged

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

## SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Active Recombinant Human LGALS3BP Protein (Val19-Asp585) with a C-terminal 10-His tag was expressed in Mouse myeloma cell line.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>              | Mouse myeloma cell line                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>       | 19-585 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>         | 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. |
| <b>Bio-activity</b>        | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>      | 65 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>N-terminal Sequence</b> | Val19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|                       |                                                                                                                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Analysis</b>       |                                                                                                                                                                                                                                                                                                 |
| <b>Endotoxin</b>      | <0.10 EU/μg of the protein by the LAL method.                                                                                                                                                                                                                                                   |
| <b>Purity</b>         | >95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.                                                                                                                                                                                     |
| <b>Storage</b>        | 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. |
| <b>Storage Buffer</b> | Lyophilized from a 0.2 μm filtered solution in PBS and DTT with Trehalose.                                                                                                                                                                                                                      |
| <b>Shipping</b>       | The product is shipped at ambient temperature.                                                                                                                                                                                                                                                  |
| <b>Reconstitution</b> | Reconstitute at 500 μg/mL in PBS.                                                                                                                                                                                                                                                               |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | LGALS3BP lectin, galactoside-binding, soluble, 3 binding protein [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                        |
| <b>Official Symbol</b> | LGALS3BP                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>        | 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

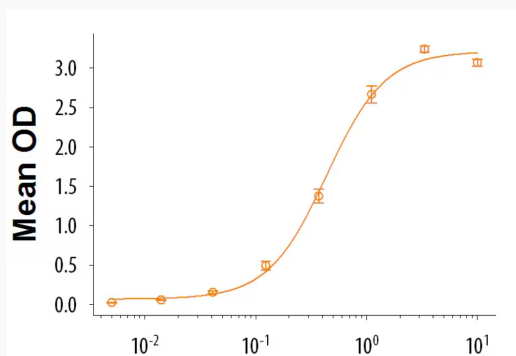
**mRNA Refseq** NM\_005567.3

**Protein Refseq** NP\_005558.1

**MIM** 600626

**UniProt ID** Q08380

**Bioactivity**



When Recombinant Human Galectin-3BP/MAC-2BP is immobilized at 0.5 µg/mL, 100 µL/well, It binds Recombinant Human Galectin-3 with an ED50 of 0.2-1 µg/mL.

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