

Active Recombinant Mouse Lectin, Galactoside-Binding, Soluble, 3 Binding Protein, His-tagged

Cat. No. Lgals3bp-5676M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lgals3bp protein was expressed in Murine myeloma cell line with a C-terminal 6-Histag. Thr19-Val577.
Species	Mouse
Source	Mammalian Cells
Protein Length	19-577 a.a.
Description	Lgals3bp, called CyCAP in the mouse, is a secreted glycoprotein of the scavenger receptor cysteine-rich (SRCR) superfamily. Mouse Lgals3bp is generally considered the paralog of human Lgals3bp, which is also called MAC2 binding protein (MAC2BP), or 90 kDa tumor associated antigen (TAA90K or 90K). However, mouse Lgals3bp binds cyclophilin C but not Galectin3 (formerly MAC2), while the opposite is true of human Lgals3bp. The 577 amino acid (aa), 77-95 kDa mouse Lgals3bp contains an 18 aa signal sequence and four definitive domains.
Form	Lyophilized from a 0.2 µm filtered solution in MOPS, NaCl and Imidazole with trehalose.
N-terminal Sequence	Thr19
Molecular Weight	63.3 kDa

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Activity	Measured by its binding ability in a functional ELISA. When rmlgals3bp is coated at 1 µg/mL (100 µL/well), rhGalectin3 binds with an apparent KD < 5 nM.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
SDS-PAGE	80-90kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	300 µg/mL in PBS
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Lgals3bp lectin, galactoside-binding, soluble, 3 binding protein [<i>Mus musculus</i>]
Official Symbol	Lgals3bp
Synonyms	Lgals3bp; lectin, galactoside-binding, soluble, 3 binding protein; 90K; CyCAP; Ppicap; MAC-2BP; galectin-3-binding protein; mama; cyp-C-associated protein; peptidylprolyl isomerase C-associated protein; lectin galactoside-binding soluble 3-binding protein; Protein MAMA
Gene ID	19039
mRNA Refseq	NM_011150

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Protein Refseq	NP_035280
UniProt ID	Q07797
Chromosome Location	11; 11 E
Function	protein binding;scavenger receptor activity
PDBrendering based on 1by2.	