

Active Recombinant Mouse Lgals6 protein, His-tagged

Cat. No. Lgals6-447M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Mouse Lgals6 protein(O54891)(1~301 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	1-301 aa
Form	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	Galectin-6(GAL6) is a protein that in humans is encoded by the LGALS6 gene. The galectins constitute a large family of carbohydrate-binding proteins with specificity for N-acetyl-lactosamine-containing glycoproteins. At least 14 mammalian galectins, which share structural similarities in their carbohydrate recognition domains (CRD), have been identified. Galectin-6 may also be involved in cell-cell and cell-matrix interactions and exogenous galectin has been found to accelerate the re-epithelialization of wounds. It can agglutinate red blood. In this case, we chose rabbit erythrocyte (RaE) to assay its ability of agglutination. A general procedure for hemagglutination assay (or hemagglutination assay; HA) is as follows, two-fold dilute the recombinant Mu GAL6 with 0.9% sodium chloride injection, add 50μL a serial dilution of GAL6 to each well of a U or V-bottom shaped 96-well microtiter plate. The final well serves as a negative control with no GAL6, replace with 50μL 0.9% sodium chloride injection. Then add 50μL

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1% rabbit erythrocyte to each well and mixed gently. The plate is incubated for 3 hours at room temperature. The results are shown. It was obvious that the minimal effective concentration of GAL6 is 3.125 µg/mL.

Molecular Mass 37.8kDa

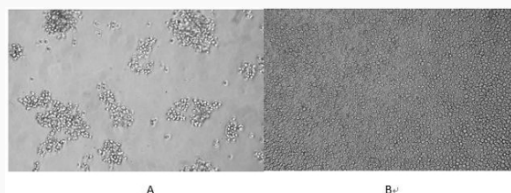
Endotoxin <1.0EU per 1µg (determined by the LAL method).

Purity > 97% as determined by SDS-PAGE.

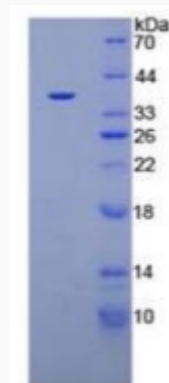
Storage Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.

Reconstitution Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

Activity



SDS-PAGE



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