

## Active Recombinant Rat Lgals9 protein, His-tagged

**Cat. No.** Lgals9-435R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Rat Lgals9 protein(P97840)(17~147 aa), fused with N-terminal His tag, was expressed in E.coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	17-147 aa
<b>Form</b>	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Bio-activity</b>	<p>Galectin 9 (GAL9) is a member of the <math>\beta</math>-galactoside-binding galectin family. Galectin-9 is found outside of cells and may be exported by non-classical pathways. Galectin 9 exhibits a variety of biological activities, the majority of which have focused on its immunomodulatory role toward lymphocytes, were it shows specific interactions with TIM-3, and can negatively regulate Th1 type immunity. It also 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 haemagglutination assay; HA) is as follows, two-fold dilute the recombinant Rat GAL9 with 0.9% sodium chloride injection, add 50<math>\mu</math>L a serial dilution of GAL9 to each well of a U or V-bottom shaped 96-well microtiter plate. The final well serves as a negative control with no GAL9, replace with 50<math>\mu</math>L 0.9% sodium chloride injection. Then add 50<math>\mu</math>L 1% rabbit erythrocyte to each well and mixed gently. The plate is incubated for 3 hours at room</p>

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

temperature. The results are shown. It was obvious that the minimal effective concentration of GAL9 is 6.25 µg/mL.

<b>Molecular Mass</b>	16.3kDa
<b>Endotoxin</b>	<1.0EU per 1µg (determined by the LAL method).
<b>Purity</b>	> 97% as determined by SDS-PAGE.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
<b>Reconstitution</b>	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

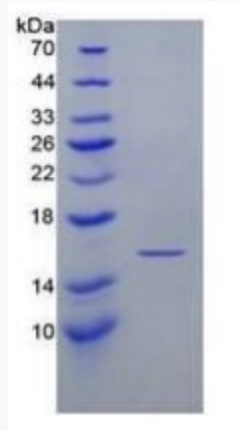
<b>Gene Name</b>	<a href="#">Lgals9 lectin, galactoside-binding, soluble, 9 [ Rattus norvegicus ]</a>
<b>Official Symbol</b>	<a href="#">Lgals9</a>
<b>Synonyms</b>	LGALS9; lectin, galactoside-binding, soluble, 9; galectin-9; UAT; gal-9; urate transporter/channel; 36 kDa beta-galactoside-binding lectin; Lectin galactose binding soluble 9 (Galectin-9); Lectin, galactose binding, soluble 9 (Galectin-9);
<b>Gene ID</b>	<a href="#">25476</a>
<b>mRNA Refseq</b>	<a href="#">NM_012977</a>
<b>Protein Refseq</b>	<a href="#">NP_037109</a>

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

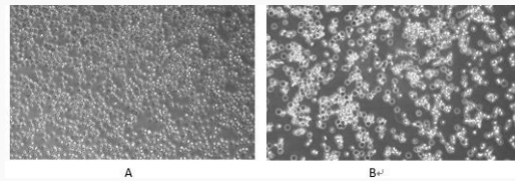
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

**SDS-PAGE**



**Activity**



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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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