

Active Recombinant Pig LGALS2 protein, His-tagged

Cat. No. LGALS2-406P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Pig LGALS2 protein(Q29373)(1~123 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Pig
Source	E.coli
ProteinLength	1-123 aa
Form	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	Galectin 2 (GAL2) belongs to the proto type group and consists of two homologous carbohydrate recognition domains (CRDs) resulting in multiple sugar binding sites. The expression of gal-2 has been shown to be involved in processes of angiogenesis and inflammation but was not analyzed before in preeclamptic (PE) placentas. It also can agglutinate red blood. In this case, 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 pig GAL2 with 0.9% sodium chloride injection, add 50μL a serial dilution of GAL2 to each well of a U or V-bottom shaped 96-well microtiter plate. The final well serves as a negative control without GAL2, replace with 50μL 0.9% sodium chloride injection. Then add 50μL 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

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effective concentration of GAL2 is 2.5µg/ml.

Molecular Mass 16.5kDa

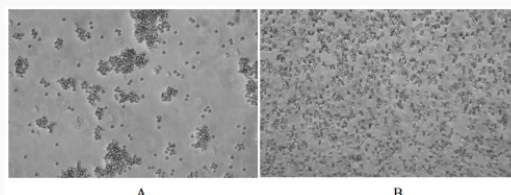
Endotoxin <1.0EU per 1µg (determined by the LAL method).

Purity > 90% as determined by SDS-PAGE.

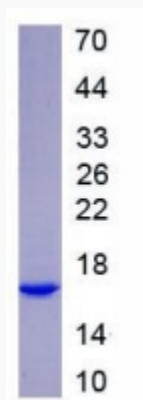
Storage Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.

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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