

## Active Recombinant Human LGALS8 protein, His-tagged

Cat. No. LGALS8-2784H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human LGALS8 protein(O00214)(1~317 aa), fused with N-terminal His tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-317 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 8 (GAL8), also known as prostate carcinoma tumor antigen 1 (PCTA1) in human, is a tandem repeat-type galectin. is a member of the lectin family, of which 14 mammalian galectins have been identified. It is also a member of the beta-galactoside-binding protein family that plays an important role in cell-cell adhesion, cell-matrix interactions, macrophage activation, angiogenesis, metastasis, apoptosis. 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 human GAL8 with 0.9% sodium chloride injection, add 50µL a serial dilution of GAL8 to each well of a U or V-bottom shaped 96-well microtiter plate. The final well serves as a negative control with no GAL8, 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</p>

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temperature. The results are shown. It was obvious that the minimal effective concentration of GAL8 is 6.25µg/mL.

<b>Molecular Mass</b>	37.1kDa
<b>Endotoxin</b>	<1.0EU per 1µg (determined by the LAL method).
<b>Purity</b>	> 95% 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>	LGALS8 lectin, galactoside-binding, soluble, 8 [ Homo sapiens ]
<b>Official Symbol</b>	LGALS8
<b>Synonyms</b>	LGALS8; lectin, galactoside-binding, soluble, 8; galectin-8; galectin 8; PCTA 1; galectin-8g; Po66 carbohydrate binding protein; po66 carbohydrate-binding protein; prostate carcinoma tumor antigen 1; Gal-8; PCTA1; PCTA-1; Po66-CBP;
<b>Gene ID</b>	3964
<b>mRNA Refseq</b>	NM_006499
<b>Protein Refseq</b>	NP_006490

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<b>MIM</b>	606099
<b>UniProt ID</b>	O00214

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