

# Recombinant Human Lectin, Galactoside-Binding, Soluble, 8, GST-tagged

**Cat. No.** LGALS8-5182H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	A DNA sequence encoding human LGALS8 ( AAF19370.1 ) ( Met 1 - Trp 317 ) was fused with the GST tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	Human
<b>ProteinLength</b>	1-317 a.a.
<b>Description</b>	Galectin-8, also known as Gal-8, Po66 carbohydrate-binding protein, Prostate carcinoma tumor antigen 1, PCTA-1 and LGALS8, is a member of the galectin family. Galectin-8 / LGALS8 was discovered in prostate cancer cells and has been studied extensively in the last few years. Various studies showed that galectin-8 is widely expressed in tumor tissues as well as in normal tissues. Galectins are beta-galactoside-binding animal lectins with conserved carbohydrate recognition domains.
<b>Form</b>	Lyophilized from sterile 50mm Tris, 0.1M NaCl, pH 8.0. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
<b>Purity</b>	> 76 % as determined by SDS-PAGE
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method

 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

<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Predicted N terminal</b>	Met
<b>Molecular Mass</b>	The recombinant human LGALS8/GST chimera consists of 550 amino acids and predicts a molecular mass of 62.7 kDa. The apparent molecular mass of rh LGALS8 / GST is approximately 60 kDa in SDS-PAGE under reducing conditions.
<b>Application</b>	SDS-PAGE
<b>Reconstitution</b>	A hardcopy of COA with reconstitution instruction is sent along with the products.
<b>Storage</b>	Store it under sterile conditions at -70°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

## 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; Gal-8; PCTA1; PCTA-1; Po66-CBP; galectin-8; galectin 8; galectin-8g; Po66 carbohydrate binding protein; OTTHUMP00000037853; OTTHUMP00000037854; OTTHUMP00000037855; OTTHUMP00000037857; OTTHUMP00000037858; OTTHUMP00000037859; OTTHUMP00000037861; OTTHUMP00000038817; OTTHUMP00000231517; OTTHUMP00000231546; po66 carbohydrate-binding protein; prostate carcinoma tumor antigen 1
<b>Gene ID</b>	3964

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mRNA Refseq	NM_006499
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Protein Refseq	NP_006490
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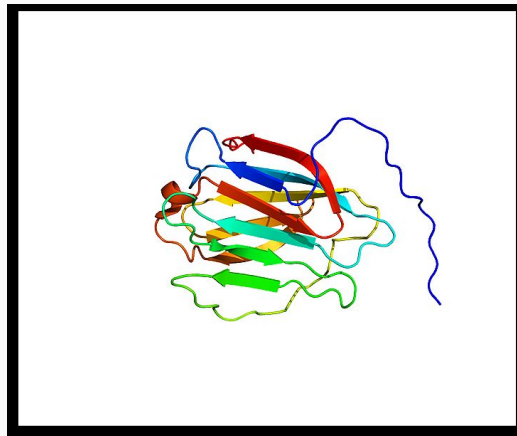
MIM	606099
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UniProt ID	O00214
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Chromosome Location	1q43
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Function	Sugar binding
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PDB rendering  
based on 2YRO.



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