

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

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

SPECIFICATION

Product Overview	A DNA sequence encoding human LGALS8 (AAF19370.1) (Met 1 - Trp 317) was fused with the GST tag at the N-terminus.
Species	Human
Source	Human
ProteinLength	1-317 a.a.
Description	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.
Form	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.
Purity	> 76 % as determined by SDS-PAGE
Endotoxin	< 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  Fax: 1-631-938-8127

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

Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Predicted N terminal	Met
Molecular Mass	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.
Application	SDS-PAGE
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products.
Storage	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

Gene Name	LGALS8 lectin, galactoside-binding, soluble, 8 [Homo sapiens]
Official Symbol	LGALS8
Synonyms	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
Gene ID	3964

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

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