

Galectin-8 Protein, Rat, Recombinant (GST)

General Information

Synonyms:	lectin, galactoside-binding, soluble, 8
Protein Construction:	A DNA sequence encoding rat LGALS8 (NP_446314.2) (Met 1-Trp 316) was fused with the GST tag at the N-terminus. Predicted N terminal: Met
Species:	Rat
Expression Host:	E. coli
Accession:	Q6IN24
Molecular Weight:	63.2 kDa (predicted); 55 kDa (reducing conditions)

QC Testing

Biological Activity:	Measured by its ability to agglutinate human red blood cells. The ED50 for this effect is typically 0.4-4 µg/mL.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin:	Please contact us for more information.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, 10% glycerol, 1 mM DTT, pH 8.0. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.
Shipping:	In general, Lyophilized powders are shipping with blue ice.

Reference

- Levy Y, et al. (2003) Sustained induction of ERK, protein kinase B, and p70 S6 kinase regulates cell spreading and formation of F-actin microspikes upon ligation of integrins by galectin-8, a mammalian lectin. J Biol Chem. 278 (16):14533-42.
- Nishi N, et al. (2003) Galectin-8 modulates neutrophil function via interaction with integrin alphaM. Glycobiology. 13(11):755-63.
- Bidon-Wagner N, et al. (2004) Human galectin-8 isoforms and cancer. Glycoconj J. 19(7-9):557-63.

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