

Human Galectin-8 / LGALS8 Protein (GST Tag)

Catalog Number: 10301-H09E



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

Gal-8; PCTA-1; PCTA1; Po66-CBP; 1200015E08Rik; AI326142; D13Ert524e; Lgals-8

Protein Construction:

A DNA sequence encoding human LGALS8 (AAF19370.1) (Met 1-Trp 317) was fused with the GST tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 76 % as determined by SDS-PAGE

Bio Activity:

Measured by its ability to agglutinate human red blood cells. The ED_{50} for this effect is typically 0.2-1 $\mu\text{g/ml}$.

Endotoxin:

Please contact us for more information.

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.

Formulation:

Lyophilized from sterile 50mM Tris, 0.1 M NaCl, pH 8.0

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

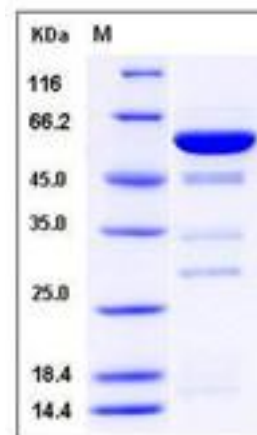
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1. 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.
2. Nishi N, *et al.* (2003) Galectin-8 modulates neutrophil function via interaction with integrin αM . *Glycobiology.* 13(11):755-63.
3. Bidon-Wagner N, *et al.* (2004) Human galectin-8 isoforms and cancer. *Glycoconj J.* 19(7-9):557-63.

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