

Galectin-8 Protein, Human, Recombinant

General Information

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| Synonyms: | lectin, galactoside-binding, soluble, 8;PCTA-1;Po66-CBP;Gal-8;PCTA1 |
| Protein Construction: | A DNA sequence encoding human LGALS8 (AAF19370.1) (Met 1-Trp 317) was expressed and purified. Predicted N terminal: Met |
| Species: | Human |
| Expression Host: | E. coli |
| Accession: | AAF19370.1 |
| Molecular Weight: | 35.5 kDa (predicted); 34 kDa (reducing conditions) |

QC Testing

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| Biological Activity: | Measured by its ability to agglutinate human red blood cells. The ED50 for this effect is typically 0.8-4 µg/ml. |
| Purity: | > 97 % 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, pH 7.4. 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.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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