

## Recombinant Human LGALS3 protein(Met1-Ile250)

**Cat. No.** LGALS3-6977H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human Galectin3 (P17931) (Met 1-Ile 250) was expressed and purified in E. coli.                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-250 a.a.                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                    |
| <b>Bio-activity</b>     | Measured by its ability to agglutinate human red blood cells. The ED50 for this effect is typically 3-15 µg/ml.                                                                                   |
| <b>Molecular Mass</b>   | The recombinant human Galectin3 consisting of 250 amino acids and has a calculated molecular mass of 26.1 kDa. It migrates as an approximately 30 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 0.005 EU per µg of the protein as determined by the LAL method                                                                                                                                  |
| <b>Purity</b>           | > 97 % as determined by SDS-PAGE                                                                                                                                                                  |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein                        |

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** [LGALS3 lectin, galactoside-binding, soluble, 3 \[ Homo sapiens \]](#)

**Official Symbol** [LGALS3](#)

**Synonyms** LGALS3; lectin, galactoside-binding, soluble, 3; LGALS2; galectin-3; galectin 3; GALIG; MAC 2; lectin L-29; 35 kDa lectin; MAC-2 antigen; IgE-binding protein; laminin-binding protein; galactose-specific lectin 3; carbohydrate-binding protein 35; L31; GAL3; MAC2; CBP35; GALBP;

**Gene ID** [3958](#)

**mRNA Refseq** [NM\\_001177388](#)

**Protein Refseq** [NP\\_001170859](#)

**MIM** [153619](#)

**UniProt ID** [P17931](#)

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