

Human LGALS3 recombinant protein



Catalog Number: 501280

General Information

Gene Name Synonym

35 kDa lectin; Carbohydrate-binding protein 35; Galactose-specific lectin 3; Galactoside-binding protein; IgE-binding protein; L-31; Laminin-binding protein; Lectin L-29; Mac-2 antigen

Protein Construction

A DNA sequence encoding the human Galectin3 (P17931) (Met 1-Ile 250) was expressed and purified.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

Measured by its ability to agglutinate human red blood cells. The ED_{50} for this effect is typically 3-15 $\mu\text{g/ml}$.

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

< 5 EU per 1 mg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met 1

Molecular Mass

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.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

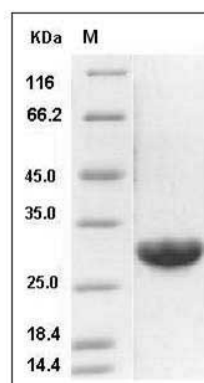
Storage

Store it under sterile conditions at -20°C to -80°C . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human Galectin-3 / LGALS3 Protein, Low Endotoxin SDS-PAGE