


Human Galectin-4 Protein, His tag (Animal-Free)

Cat #: PRP1927

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

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| | Product Name: Human Galectin-4 Protein, His tag (Animal-Free) | | |
| REF | Catalog Number: PRP1927 | LOT | Lot Number: Refer to product label |
| | Purity: > 98 % as determined by SDS-PAGE | | |
|  | Storage: Store at -20°C | | Preparation method: E.coli |
| | Shipping: The product is shipped at ambient temperature. | | |

Background: Galectins are a family of carbohydrate-binding proteins with specificity for N-acetyl-lactosamine-containing glycoproteins. Galectin-4 expression is concentrated within microvilli in the gastrointestinal epithelium, where it can interact with CD3 and bind activated T cells in the lamina propria during intestinal inflammation.

Sequence: Amino acid sequence derived from Human Galectin-4 (Ala2-Ile323) (P56470) was expressed with 6×His tag at the N-terminus.

Protein length: The recombinant Human Galectin-4 consists of 322 amino acids and predicts a molecular mass of 36.8 kDa.

Biological Activity: Measured by its ability to agglutinate human red blood cells. The ED₅₀ for this effect is <8 µg/mL.

Endotoxin: <0.1 EU per 1 µg of the protein by the LAL method.

Formulation: Lyophilized from PBS, pH 7.4.

Storage Instructions: Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (5% HSA, 10% FBS or 0.1% BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.

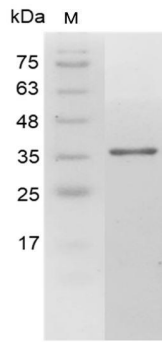


Fig. SDS-PAGE analysis of Human Galectin-4 protein.

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