

Human Galectin-2 Protein, His tag (Animal-Free)

Cat #: PRP1215

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human Galectin-2 Protein,His tag (Animal-Free)		
REF	Catalog Number: PRP1215	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: Galectin-2 (Gal-2) is a lectin family member and structurally closely related to galectin-1. It contains one carbohydrate recognition domain (CRD), responsible for β -galactoside binding, and is biologically active as homodimers. Galectin-2 serves as a proapoptotic effector for activated T cells through caspase-3 signaling. Moreover, galectin-2 has emerged as a crucial factor in driving the macrophage to CD40-positive M1 polarization, leading to arteriogenesis attenuation and collateral arteries remodeling.

Sequence: Amino acid sequence derived from Human Galectin-2 Protein (Thr1-Glu132)(P05162) was expressed with 6×His tag at the N-terminus.

Protein length: The recombinant Human Galectin-2 Protein consists of 132 amino acids and predicts a molecular mass of 15.5 kDa.

Biological Activity: Measured by its ability to agglutinate human red blood cells.The ED₅₀ for this effect is <20 µg/mL.

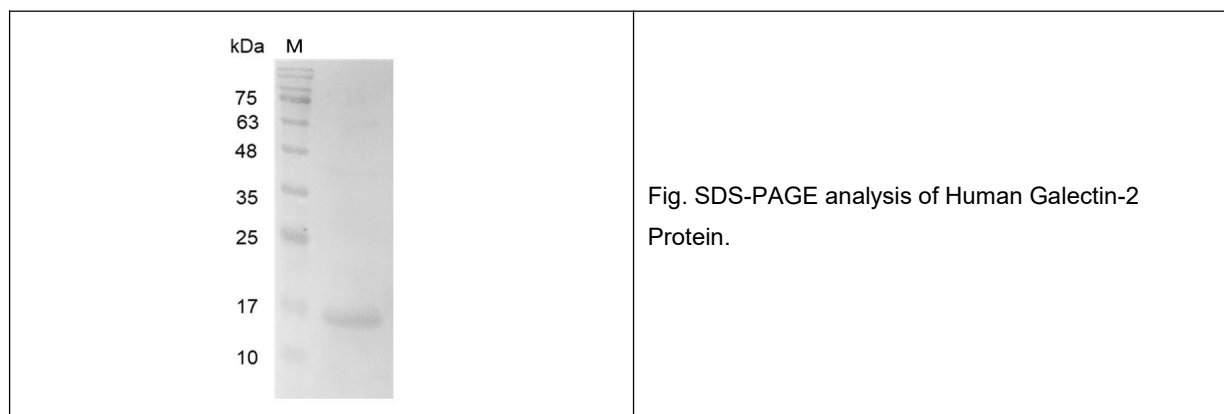
Endotoxin: <0.1 EU per 1 µg of the protein by the LAL method.

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.



Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.