For Research Use Only Recombinant Human Galectin-3 protein (His Tag)

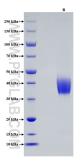


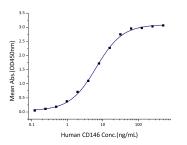
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Catalog Number: Eg0227

Basic Information	<mark>Species:</mark> Human	Purity: >95 %, SDS-PAGE	Tag: His Tag
	EC50: 3-12 ng/mL		
Technical Specifications	Purity: >95 %, SDS-PAGE		
	Endotoxin Level: <0.1 EU/ µg protein, LAL method		
	Source: HEK293-derived Human Galectin-3 protein Ala2-Ile250 (Accession# P17931) with a His tag at the C-terminus.		
	GenelD: 3958		
	Accession: P17931		
	Predicted Molecular Mass: 26.8 kDa		
	SDS-PAGE: 32-45 kDa, reducing (R) conditions		
	Formulation: Lyophilized from 0.22 µm filtered s protectants before lyophilization.	olution in PBS, pH 7.4. Normally 5%	trehalose and 5% mannitol are added as
Biological Activity	Immobilized Human Galectin-3 (His linear range of 3-12 ng/mL.	tag) at 0.5 µg/mL (100 µL/well) car	bind Human CD146 (GST tag) with a
Storage and Shipping	Storage: It is recommended that the protein	be aliquoted for optimal storage. Av	oid repeated freeze-thaw cycles.
	 Until expiry date, -20℃ to -8 3 months, -20℃ to -80℃ un 	80 $^\circ\!\!\!{}^\circ\!\!{}^\circ$ as lyophilized proteins. Ider sterile conditions after reconst	itution.
	Shipping: The product is shipped at ambient te temperature.	emperature. Upon receipt, store it ir	nmediately at the recommended
Reconstitution	Briefly centrifuge the tube before o	pening. Reconstitute at 0.1-0.5 mg/	mL in sterile water.
Background	variety of tumors. It is found intrace present on the cell surface or in the	c-charides. Galectin-3, a 31-kDa mer recognition domain (CRD) and a pro m oligomers. Galectin-3 is widely ex llularly in nucleus and cytoplasm or extracellular space. Galectin-3 is in erentiation, apoptosis, angiogenesi ated serum galectin-3 levels have b	nber of the β-galactoside-binding line- and glycine-rich N-terminal «pressed in many normal tissues and a secreted outside of cell, being volved in various biological processes s, immune response, neoplastic een reported in patients with breast,
References	1. Barondes SH. et al. (1994) J Biol Ch 2. Iurisci I. et al. (2000) Clin Cancer R 3. Takenaka Y. et al. (2002) Glycoconj 4. Dumic J. et al.(2006) Biochim Biopl	es. 6(4):1389-93. J. 19(7-9):543-9.	
Synonyms	Galectin-3, 35 kDa lectin, Carbohydra	ate-binding protein 35, CBP 35, CBP	35

Selected Validation Data





Purity of Recombinant Human Galectin-3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

Immobilized Human Galectin-3 (His tag) at 0.5 μ g/mL (100 $\,\mu$ L/well) can bind Human CD146 (GST tag) with a linear range of 3-12 ng/mL

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.