

Active Recombinant Human LGALS9 Protein (Ala2-Thr355), N-His tagged, Animal-free, Carrier-free

Cat. No. LGALS9-195H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGALS9 Protein (Ala2-Thr355) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ala2-Thr355
Description	Galectin-9 (Gal-9) is a lectin family member and is one of the tandem repeat-type galectins containing two carbohydrate recognition domains (CRD) connected by a linker region in a single peptide chain. The CRD is responsible for β -galactoside binding, and several binding partners for galectin-9 have been identified, including CD44, FGL, Gcgr, GLUT- 2, IgE, IgM, PDI, and Tim-3. Galectin-9 is constitutively presented in the small intestine, liver, uterine epithelial cells, skin epidermis, and esophageal epithelium. Galectin-9 contributing to cell growth, differentiation, adhesion, communication, and death. Accumulated evidence indicates that Gal-9 blockade promotes T cell immunity against tumors, suggesting that galectin-9 is a promising target for immunotherapy.
Form	Lyophilized
Bio-activity	Measured by its ability of the immobilized protein to support the adhesion of Jurkat cells. The ED50 for this effect is < 3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	µg/mL.
Molecular Mass	The protein has a calculated MW of 36.7 kDa. The protein migrates as 37 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/µg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	LGALS9 lectin, galactoside-binding, soluble, 9 [Homo sapiens (human)]
Official Symbol	LGALS9
Synonyms	LGALS9; lectin, galactoside-binding, soluble, 9; galectin-9; galectin 9; LGALS9A; gal-9; ecalectin; tumor antigen HOM-HD-21; urate transporter/channel protein; HUAT;

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MGC117375; MGC125973; MGC125974;

Gene ID 3965

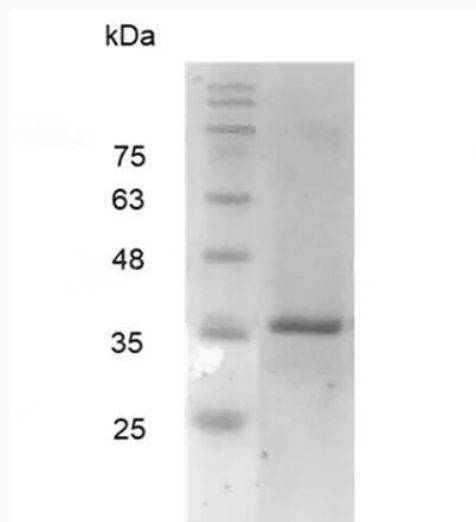
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Protein Refseq NP_002299

MIM 601879

UniProt ID O00182

**SDS-PAGE analysis
of recombinant
human Galectin-9.**



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