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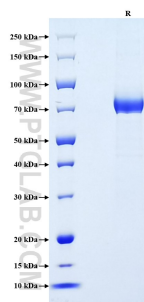
Recombinant Human Galectin-9/LGALS9 protein (hFc Tag)



Catalog Number: Eg0084

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: hFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human Galectin-9 protein Ala2-Thr323 (Accession# O00182-2) with a human IgG1 Fc tag at the N-terminus.</p> <p>GeneID: 3965</p> <p>Accession: O00182-2</p> <p>Predicted Molecular Mass: 61.8 kDa</p> <p>SDS-PAGE: 68-85 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>The galectins, formerly known as S-type lectins, are a family of β-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Galectin-9 (LGALS9) is a tandem repeat-type member of the galectin family. It has three isoforms (named galectin-9L, galectin-9M, and galectin-9S): long type of 355 amino acids, medium type of 323 amino acids, and short type of 311 amino acids. Galectin-9 is ubiquitously expressed in a variety of tissues, including lymph nodes and spleen, and overexpressed in Hodgkin disease tissue. It is involved in chemoattraction, apoptosis, and the regulation of cell differentiation and has anti-allergic effects. It has been reported that galectin-9 is a ligand for Tim-3, through which galectin-9 can induce T-helper type 1 lymphocyte (Th1) death.</p>		
References	<ol style="list-style-type: none">1. Barondes SH. et al. (1994) Cell. 25;76(4):597-8.2. O Türeci. et al. (1997) J Biol Chem. 272(10):6416-22.3. Zhang F. et al. (2009) Mol Biol Rep. 36(5):823-30.4. Zhu C. et al. (2005) Nat Immunol. 6(12):1245-52.		
Synonyms	Galectin 9, LGALS9, Ecalectin, Gal 9, Gal-9		

Selected Validation Data



Purity of Recombinant Human Galectin-9 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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