

Galectin-9/LGALS9 Protein, Human (HEK293, hFc)

Cat. No.:	HY-P75176
Synonyms:	Galectin-9; Gal-9; Ecalectin; Tumor Antigen HOM-HD-21; LGALS9
Species:	Human
Source:	HEK293
Accession:	O00182-2 (A2-T323)
Gene ID:	3965
Molecular Weight:	Approximately 64.8 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Galectin-9/LGALS9 protein functions as an eosinophil chemoattractant, actively participating in the recruitment and migration of eosinophils, crucial immune cells involved in inflammatory responses. Moreover, it serves as an angiogenesis inhibitor, contributing to the regulation of blood vessel formation and impacting vascular processes. In its role as a regulatory modulator of immune responses, Galectin-9/LGALS9 suppresses interferon-gamma (IFNG) production by natural killer cells, exerting control over immune signaling pathways (By similarity).
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Caution: Product has not been fully validated for medical applications. For research use only.

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