

## Galectin-9/LGALS9 Protein, Human (HEK293, His)

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|-------------------|---|
| Cat. No.:         | HY-P70535   |
| Synonyms:         | Galectin-9; Gal-9; Ecalectin; Tumor Antigen HOM-HD-21; LGALS9 |
| Species:          | Human   |
| Source:           | HEK293  |
| Accession:        | O00182-2 (M1-T323)  |
| Gene ID:          | 3965  |
| Molecular Weight: | Approximately 50.0 kDa  |

### PROPERTIES

|                     |  |
|---------------------|--|
| AA Sequence         | <pre> M A F S G S Q A P Y   L S P A V P F S G T   I Q G G L Q D G L Q   I T V N G T V L S S S G T R F A V N F Q   T G F S G N D I A F   H F N P R F E D G G   Y V V C N T R Q N G S W G P E E R K T H   M P F Q K G M P F D   L C F L V Q S S D F   K V M V N G I L F V Q Y F H R V P F H R   V D T I S V N G S V   Q L S Y I S F Q P P   G V W P A N P A P I T Q T V I H T V Q S   A P G Q M F S T P A   I P P M M Y P H P A   Y P M P F I T T I L G G L Y P S K S I L   L S G T V L P S A Q   R F H I N L C S G N   H I A F H L N P R F D E N A V V R N T Q   I D N S W G S E E R   S L P R K M P F V R   G Q S F S V W I L C E A H C L K V A V D   G Q H L F E Y Y H R   L R N L P T I N R L   E V G G D I Q L T H V Q T           </pre> |
| Appearance          | Lyophilized powder.  |
| Formulation         | Lyophilized from a 0.2 µm filtered solution of 50 mM MOPS, 150 mM NaCl, 1 mM DTT, 1 mM EDTA, 5% Trehalose, pH 7.4.   |
| Endotoxin Level     | <1 EU/µg, determined by LAL method.  |
| Reconstitution      | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> 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

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|------------|---|
| 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 |
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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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA