

## Animal-Free Galectin-10 Protein, Human (His)

<b>Cat. No.:</b>	HY-P700073AF
<b>Synonyms:</b>	GAL10; Gal-10; LGALS10; LGALS10A; LPPL_HUMAN; Charcot-Leyden crystal protein (CLC); Eosinophil lysophospholipase; Lysolecithin acylhydrolase
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	Q05315 (S2-R142)
<b>Gene ID:</b>	1178
<b>Molecular Weight:</b>	Approximately 36.7 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>S L L P V P Y T E A    A S L S T G S T V T    I K G R P L A C F L    N E P Y L Q V D F H</p> <p>T E M K E E S D I V    F H F Q V C F G R R    V V M N S R E Y G A    W K Q Q V E S K N M</p> <p>P F Q D G Q E F E L    S I S V L P D K Y Q    V M V N G Q S S Y T    F D H R I K P E A V</p> <p>K M V Q V W R D I S    L T K F N V S Y L K    R</p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Endotoxin Level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	The Galectin-10 protein plays a pivotal role in immune regulation by recognizing cell-surface glycans. It is indispensable for the induction of anergy and the suppressive function of CD25-positive regulatory T-cells (Treg). Through its interactions with CEL, Galectin-10 contributes to the modulation of immune responses, highlighting its significance in orchestrating cellular processes involved in immunoregulation.
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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