

Animal-Free Galectin-16 Protein, Human (His)

Cat. No.:	HY-P700077AF
Synonyms:	LGALS16
Species:	Human
Source:	E. coli
Accession:	A8MUM7.2 (S2-R142)
Gene ID:	148003
Molecular Weight:	Approximately 17.4 kDa

PROPERTIES

AA Sequence	<p>S F L T V P Y K L P V S L S V G S C V I I K G T L I D S S I N E P Q L Q V D F Y</p> <p>T E M N E D S E I A F H L R V H L G R R V V M N S R E F G I W M L E E N L H Y V</p> <p>P F E D G K P F D L R I Y V C L N E Y E V K V N G E Y I Y A F V H R I P P S Y V</p> <p>K M I Q V W R D V S L D S V L V N N G R R</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/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	Galactoside is a soluble β-galactoside binding protein that regulates key biological processes such as cell growth, differentiation, apoptosis and immune response. Galectin-16 may regulate signal transduction pathways via c-Rel hubs in B cells or T cells at the maternal-fetal interface. Galectin-16 alters expression associated with cancer, diabetes, and brain disease ^{[1][2][3]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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