

Galectin-4/LGALS4 Protein, Human (His)

Cat. No.:	HY-P72638
Synonyms:	Galectin-4; Gal-4; L36LBP; Antigen NY-CO-27; LGALS4
Species:	Human
Source:	E. coli
Accession:	P56470 (M1-I323)
Gene ID:	3960
Molecular Weight:	35-38 kDa

PROPERTIES

AA Sequence	<pre> M A Y V P A P G Y Q P T Y N P T L P Y Y Q P I P G G L N V G M S V Y I Q G V A S E H M K R F F V N F V V G Q D P G S D V A F H F N P R F D G W D K V V F N T L Q G G K W G S E E R K R S M P F K K G A A F E L V F I V L A E H Y K V V V N G N P F Y E Y G H R L P L Q M V T H L Q V D G D L Q L Q S I N F I G G Q P L R P Q G P P M M P P Y P G P G H C H Q Q L N S L P T M E G P P T F N P P V P Y F G R L Q G G L T A R R T I I I K G Y V P P T G K S F A I N F K V G S S G D I A L H I N P R M G N G T V V R N S L L N G S W G S E E K K I T H N P F G P G Q F F D L S I R C G L D R F K V Y A N G Q H L F D F A H R L S A F Q R V D T L E I Q G D V T L S Y V Q I </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM HEPES, 150 mM NaCl, 5 mM EDTA, 2 mM TCEP, 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 ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years from date of receipt. 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-4/LGALS4 is a lactose-binding galectin protein that exhibits an affinity for a variety of sugars. It has been implicated in the formation of adherens junctions, indicating its potential role in cellular adhesion processes. Notably, this protein functions as a monomer, emphasizing its independent molecular state and suggesting that it may exert its biological effects
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through individual interactions rather than as part of a larger complex.

Caution: Product has not been fully validated for medical applications. For research use only.

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