

## 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

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			

#### Appearance

Lyophilized powder.

#### Formulation

Lyophilized from a 0.2  $\mu$ m filtered solution of 50 mM HEPES, 150 mM NaCl, 5 mM EDTA, 2 mM TCEP, pH 7.4.

#### Endotoxin Level

<1 EU/ $\mu$ g, determined by LAL method.

#### Reconstitution

It is not recommended to reconstitute to a concentration less than 100  $\mu$ g/mL in ddH<sub>2</sub>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. 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.

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

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