Galectin-7/LGALS7 Protein, Human (GST)

Cat. No.:	HY-P73071
Synonyms:	Galectin-7; Gal-7; HKL-14; PI7; LGALS7; PIG1; LGALS7B
Species:	Human
Source:	E. coli
Accession:	P47929 (S2-F136)
Gene ID:	3963/653499
Molecular Weight:	Approximately 41.8 kDa

PROPERTIES

AA Sequence	S N V P H K S S L P E G I R P G T V L R I R G L V P P N A S R F H V N L L C G E E Q G S D A A L H F N P R L D T S E V V F N S K E Q G S W G R E E R G P G V P F Q R G Q P F E V L I I A S D D G F K A V V G D A Q Y H H F R H R L P L A R V R L V E V G G D V Q L D S V R I F
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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-7, also known as LGALS7, is a protein potentially involved in critical cell-cell and/or cell-matrix interactions essential for normal growth control. Functioning as a pro-apoptotic protein, Galectin-7 operates intracellularly upstream of JNK activation and cytochrome c release, suggesting its role in apoptotic pathways. It exists as a monomer, and its involvement in cellular interactions and apoptotic processes underscores its significance in regulating cell growth and survival. Understanding the functions of Galectin-7 provides valuable insights into the intricate molecular mechanisms governing normal cellular processes and apoptotic signaling.

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

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