Animal-Free Galectin-14/LGALS14 Protein, Human (His)

Cat. No.:	HY-P700076AF
Synonyms:	Placental protein 13-like/LGALS14, His; Placental Protein 13-Like; Charcot-Leyden Crystal Protein 2; CLC2; Galectin-14; Gal-14; LGALS14; PPL13
Species:	Human
Source:	E. coli
Accession:	Q8TCE9 (S2-D139)
Gene ID:	56891
Molecular Weight:	Approximately 16.9 kDa

PROPERTIES

AA Sequence	S S L P V P Y T L P V S L P V G S C V I I T G T P I L T F V K D P Q L E V N F Y T G M D E D S D I A F Q F R L H F G H P A I M N S C V F G I W R Y E E K C Y Y L P F E D G K P F E L C I Y V R H K E Y K V M V N G Q R I Y N F A H R F P P A S V K M L Q V F R D I S L T R V L I S D
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.
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	The Galectin-14/LGALS14 Protein demonstrates the ability to bind to beta-galactoside and lactose. Notably, it serves as a robust inducer of T-cell apoptosis, showcasing its functional significance in regulating immune responses. The specific binding to beta-galactoside and lactose suggests a role in cellular processes mediated by these molecules, emphasizing the diverse functions of Galectin-14/LGALS14 in modulating immune activity and potentially contributing to broader physiological processes.

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

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