

## Animal-Free Galectin-13 Protein, Human (His)

<b>Cat. No.:</b>	HY-P700075AF
<b>Synonyms:</b>	LGALS13; GAL13; PLAC8; PP13
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	Q9UHV8 (S2-N139)
<b>Gene ID:</b>	29124
<b>Molecular Weight:</b>	Approximately 16.9 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>S S L P V P Y K L P      V S L S V G S C V I      I K G T P I H S F I      N D P Q L Q V D F Y</p> <p>T D M D E D S D I A      F R F R V H F G N H      V V M N R R E F G I      W M L E E T T D Y V</p> <p>P F E D G K Q F E L      C I Y V H Y N E Y E      I K V N G I R I Y G      F V H R I P P S F V</p> <p>K M V Q V S R D I S      L T S V C V C N</p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Endotoxin Level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	The Galectin-13 Protein exhibits the capacity to bind to beta-galactoside and lactose, and it functions as a potent inducer of T-cell apoptosis, as supported by research findings. Additionally, this protein demonstrates hemagglutinating activity towards chicken erythrocytes, as reported in studies. Structurally, Galectin-13 Protein exists as a homodimer, with disulfide linkages contributing to its dimeric form.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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