

## Galectin-2/LGALS2 Protein, Human (GST)

<b>Cat. No.:</b>	HY-P700301
<b>Synonyms:</b>	Galectin; Lgals2; Beta-gActoside-binding lectin L-14-II; GAL2; Gal-2; galectin 2; Galectin2; Galectin-2; HL14gal-2; Lactose-binding lectin 2; lectin, gActoside-binding, soluble, 2; MGC75071; S-Lac lectin 2
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	P05162 (M1-E132)
<b>Gene ID:</b>	3957
<b>Molecular Weight:</b>	Approximately 41.6 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>           M T G E L E V K N M    D M K P G S T L K I    T G S I A D G T D G    F V I N L G Q G T D            K L N L H F N P R F    S E S T I V C N S L    D G S N W G Q E Q R    E D H L C F S P G S            E V K F T V T F E S    D K F K V K L P D G    H E L T F P N R L G    H S H L S Y L S V R            G G F N M S S F K L    K E         </p>
<b>Biological Activity</b>	Data is not available.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of Tris-based buffer, 50% glycerol.
<b>Endotoxin Level</b>	<1 EU/µg, determined by 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>	<p>The Galectin-2 (LGALS2) protein demonstrates an affinity for binding beta-galactosides, yet its precise physiological function remains unclear. Structurally, it forms homodimers, indicating a fundamental organization in its functional state. While the specific role of LGALS2 in cellular processes is yet to be elucidated, its ability to bind to beta-galactosides suggests potential involvement in recognizing and interacting with specific carbohydrate structures. The homodimeric arrangement further implies a cooperative mechanism in its functional activity, emphasizing the need for further exploration to unveil the intricate biological significance of LGALS2 in cellular contexts and molecular interactions.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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