

## Recombinant Human Galectin-2 protein(His Tag)

**Catalog Number:** PKSH034183

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human Galectin-2 protein Thr 2-Glu 132, with an N-terminal His
<b>Calculated MW</b>	15.5 kDa
<b>Observed MW</b>	15 kDa
<b>Accession</b>	P05162
<b>Bio-activity</b>	Measured by its ability to agglutinate human red blood cells. The ED <sub>50</sub> for this effect is <20 µg/mL.

### Properties

<b>Purity</b>	> 98 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 0.1 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Background

The protein encoded by this gene is a soluble beta-galactoside binding lectin. The encoded protein is found as a homodimer and can bind to lymphotoxin-alpha. A single nucleotide polymorphism in an intron of this gene can alter the transcriptional level of the protein, with a resultant increased risk of myocardial infarction.

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