

# Recombinant human Galectin-2/LGALS2 protein

Catalog Number: ATGP0680

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-132aa

### UniProt No.

P05162

### NCBI Accession No.

NP\_006489

### Alternative Names

Galectin2, HL14, Gal-2, Beta-galactoside-binding lectin L-14-II, Lactose-binding lectin 2, S-Lac lectin 2

## PRODUCT SPECIFICATION

---

### Molecular Weight

16.8 kDa (152aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 1mM DTT, 10% glycerol

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### Description

LGALS2, also known as galectin2, is a soluble beta-galactoside binding lectin that modulates cell-to-cell adhesion and cell-to-extracellular matrix interactions and play a role in tumor progression, pre-mRNA splicing and apoptosis. This protein induces apoptosis in activated T cells and binds to the cytokine lymphotoxin-alpha (LTA) with possible implications in risk of myocardial infarction. Recombinant human Galectin 2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

# Recombinant human Galectin-2/LGALS2 protein

Catalog Number: ATGP0680

## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MTGELEVKNM DMKPGSTLKI TGSADGTDG FVINLGQGTG KLNLFNPRF  
SESTIVCNLS DGSNWGQEQR EDHLCFSPGS EVKFTVTFES DKFKVKLPDG ELTFPNRLG HSHLSYLSVR GGFMSSFKL KE

## General References

Loser K., et al. (2009) J Immunol. 182(9):5419-29.

Ozaki K., et al. (2009) Nat Genet. 41(3):329-33.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)