

# Recombinant human Galectin-9/LGALS9 protein

Catalog Number: ATGP0481

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-148aa

### UniProt No.

O00182

### NCBI Accession No.

NP\_033665

### Alternative Names

Galectin 9, Gal-9, Ecalectin, Tumor antigen HOM-HD-21, LGALS9A

## PRODUCT SPECIFICATION

---

### Molecular Weight

18.5 kDa (168aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl

### Purity

> 90% by SDS-PAGE

### Biological Activity

The ED50 for this effect is equal or less than 2.5ug/ml. Measured by its ability to agglutinate human red blood cells.

### Tag

His-Tag

### Application

SDS-PAGE, Bioactivity

### 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

Galectin-9 (Gal-9) is a member of animal lectins that have an affinity to beta-galactosides and Forssman pentasaccharide. It is strongly overexpressed in Hodgkin's disease tissue and it might participate in the interaction between the H&RS cells with their surrounding cells and might thus play a role in the pathogenesis of

# Recombinant human Galectin-9/LGALS9 protein

Catalog Number: ATGP0481

this disease and/or its consistently associated immunodeficiency. Recombinant Galectin-9 protein was expressed in *E. coli* and purified by using conventional chromatography techniques.

## Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MAFSGSQAPY LSPAVPFSGT IQGGLQDGLQ ITVNGTVLSS SGTRFAVNFQ TGFSGNDIAF  
HFNPRFEDGG YVVCNTRQNG SWGPEERKTH MPFQKGMPPD LCFLVQSSDF KVMVNGILFV QYFHRVPFHR VDTISVNGSV  
QLSYISFQ

## General References

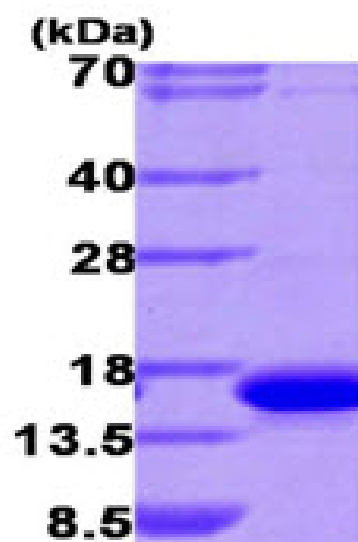
Tureci O, et al., (1997) *J Biol Chem.* 272(10):6416-22.

Zhu C, et al., (2005) *Nat Immunol.* 6(12):1245-52.

## DATA

---

### SDS-PAGE



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

15% SDS-PAGE (3ug)