

# Recombinant human Galectin-14/LGALS14 protein

Catalog Number: ATGP0796

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-139aa

### UniProt No.

Q8TCE9

### NCBI Accession No.

AAH22257

### Alternative Names

Placental protein 13-like, Galectin-14, Gal-14, CLC2, MGC22235, PPL13, Charcot-Leyden crystal protein 2

## PRODUCT SPECIFICATION

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### Molecular Weight

18.5 kDa (162aa) 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, 1mM DTT

### Purity

> 90% 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

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### Description

LGALS14, also known as Galectin14, belongs to the galectin family of carbohydrate binding proteins. This protein is expressed intracellularly in placenta and eosinophils and is released by eosinophils following allergen stimulation. It may be involved in the development of allergic inflammation. Recombinant human LGALS14 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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## Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGSMSLPPV YTLVSLPVG SCVIITGTPI LTFVKDPQLE VNFYTGMDDED SDIAFQFRLH  
FGHPAIMNSR VFGIWRYEEK CYYLPFEDGK PFELCIYVRH KEYKVMVNGQ RIYNFAHRFP PASVKMLQVL RDISLTRVLI SD

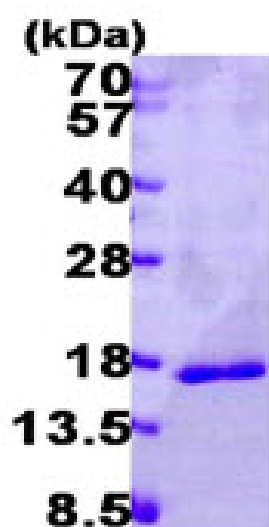
## General References

Athanasiadou S., et al. (2008), *Vet Res.*, 39(6):58  
Young AR., et al. (2009). *Glycoconj J.*, 26(4):423-32

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)