

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

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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

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

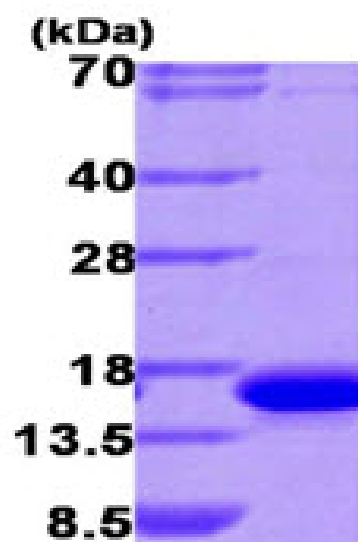
General References

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



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

15% SDS-PAGE (3 μ g)