NKMAXBiO we support you, we believe in your research Recombinant human Galectin-9/LGALS9 protein Catalog Number: ATGP0481

PRODUCT INFORMATION

Expression system E.coli

Domain 1-148aa

UniProt No. 000182

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



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

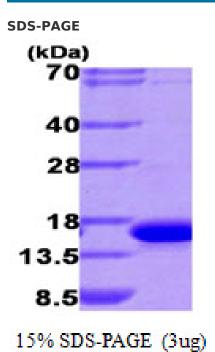
Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MAFSGSQAPY LSPAVPFSGT IQGGLQDGLQ ITVNGTVLSS SGTRFAVNFQ TGFSGNDIAF HFNPRFEDGG YVVCNTRQNG SWGPEERKTH MPFQKGMPFD 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



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