

Recombinant mouse Galectin-2/LGALS2 protein

Catalog Number: ATGP3247

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-130aa

UniProt No.

Q9CQW5

NCBI Accession No.

NP_079898

Alternative Names

Galectin 2, 2200008F12Rik, AI324147, Gal-2

PRODUCT SPECIFICATION

Molecular Weight

17.3 kDa (153aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

Purity

> 95% by SDS-PAGE

Biological Activity

The ED50 for this effect is equal or higher than 20ug/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 2, also known as Lgals2, belongs to the galectins family. Galectins are a family of soluble beta-galactoside-binding animal lectins that modulate cell-to-cell adhesion and cell-to-extracellular matrix (ECM) interactions and play a role in tumor progression, pre-mRNA splicing and apoptosis. Lgals2 is a monomeric or

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homodimeric prototype galectin that is expressed in hepatoma, stomach epithelial cells and in colorectal and neural tumors. It induces apoptosis in activated T cells and binds to the cytokine lymphotoxin-a (LTA) with possible implications in risk of myocardial infarction. Human and mouse Lgals2 share approximately 65% amino acid sequence similarity. Recombinant Mouse Lgals2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMSEKFEV KDLNMKPGMS LKIKGKIHDND VDRFLINLGQ GKETLNLHFN PRFDESTIVC
NTSEGGRWGQ EQRENHMCFS PGSEVKITIT FQDKDFKVTI PDGHQLTFPN RLGHNLHLYL SMGGLQISSF KLE

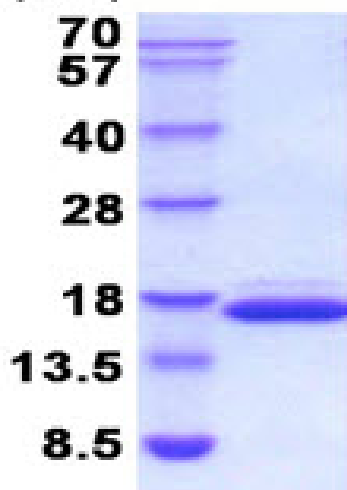
General References

Mehrabian M., et al. (1993) Genomics. 15:412-420.
Cornillot J D., et al. (1998) Glycobiology. 8:425-432.

DATA

SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)