

Recombinant mouse Galectin-2/LGALS2 protein

Catalog Number: ATGP1907

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

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

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 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

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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

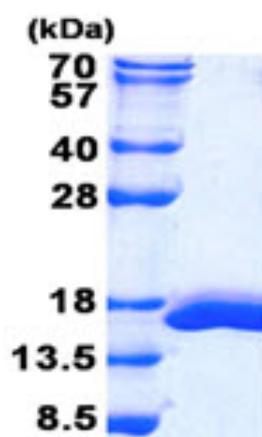
MGSSHHHHHHH SSGLVPRGSH MGSMSEKFEV KDLNMKPGMS LKIKGKIHND VDRFLINLGQ GKETLNLHFN PRFDESTIVC
NTSEGGRWGQ EQRENHMCFS PGSEVKITIT FQDKDFKVTI PDGHQLTFPN RLGHNQLHYL SMGGLQISSF KLE

General References

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

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)