

**Lgals2, 1-130aa, Mouse, His tag, E.coli (Bioactivity Validated)**

**Cat.NO.: TP02810**

3th Edition

**Synonyms:**Galectin 2, 2200008F12Rik, AI324147.

**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 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.

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

**Molecular Weight:**17.3 kDa (153aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMSEKFEVKDLNMKPGMSLKIKGKIHNVDVDRFLINLGQ GKETLNLHFNPRFDE  
STIVCNTSEGGRWGQEQRENHMCFS PGSEVKITITFQDKDFKVTLPDGHQLTFPNRLGHNQLHYLSMGGLQISSFK  
LE

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.