Active Recombinant Mouse Lgals2 protein, His-tagged

Cat. No. Lgals2-189M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lgals2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl,10% glycerol,1mM DTT
Bio-activity	The ED50 for this effect is equal or higher than 20 ug/ml. Measured by its ability to agglutinate human red blood cells.
Molecular Mass	17.3 kDa (153aa), confirmed by MALDI-TOF

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AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSEKFEV KDLNMKPGMS LKIKGKIHND VDRFLINLGQ GKETLNLHFN PRFDESTIVC NTSEGGRWGQEQRENHMCFS PGSEVKITIT FQDKDFKVTL PDGHQLTFPN RLGHNQLHYL SMGGLQISSF KLE
Purity	> 95% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	Lgals2 lectin, galactose-binding, soluble 2 [Mus musculus]
Official Symbol	Lgals2
Synonyms	LGALS2; lectin, galactose-binding, soluble 2;
Gene ID	16853
mRNA Refseq	
Protein Refseq	
MIM	
UniProt ID	

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