

# Active Recombinant Mouse Lgals2 protein, His-tagged

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

## SPECIFICATION

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

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<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMSEKFEV KDLNMKPGMS LKIKGKIHND VDRFLINLGQ GKETLNLHFN PRFDESTIVC NTSEGGRWGQEQRRENHMCFS PGSEVKITIT FQDKDFKVTL PDGHQLTFPN RLGHNQLHYL SMGGLQISSF KLE
<b>Purity</b>	> 95% by SDS - PAGE
<b>Storage</b>	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.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Lgals2 lectin, galactose-binding, soluble 2 [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Lgals2
<b>Synonyms</b>	LGALS2; lectin, galactose-binding, soluble 2;
<b>Gene ID</b>	16853