Recombinant Human Lgals2, His-tagged

Cat. No. Lgals2-7125H **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	Human
Source	E.coli
ProteinLength	1-130aa
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
Molecular Mass	17.3 kDa (153aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSEKFEV KDLNMKPGMS LKIKGKIHND

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	VDRFLINLGQ GKETLNLHFN PRFDESTIVC NTSEGGRWGQEQRENHMCFS PGSEVKITIT FQDKDFKVTL PDGHQLTFPN RLGHNQLHYL SMGGLQISSF KLE
Purity	>95% by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	1 mg/ml

GENE INFORMATION

Gene Name	LGALS2 lectin, galactoside-binding, soluble, 2 [Homo sapiens]
Official Symbol	Lgals2
Synonyms	LGALS2; lectin, galactoside-binding, soluble, 2; galectin-2; galectin 2; HL14; gal-2; S-Lac lectin 2; lactose-binding lectin 2; beta-galactoside-binding lectin L-14-II; MGC75071;
Gene ID	3957
mRNA Refseq	NM_006498
Protein Refseq	NP_006489
MIM	150571
UniProt ID	P05162

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Chromosome Location	22q13.1
Function	galactoside binding; sugar binding;

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