

# Recombinant Mouse Lectin, Galactose Binding, Soluble 8, His-tagged

**Cat. No.** Lgals8-7204M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant mouse LGALS8 protein, fused to His-tag at N-terminus, was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques. MW: 38 KDa.
<b>Species</b>	Mouse
<b>Source</b>	<i>E. coli</i>
<b>ProteinLength</b>	1-316aa
<b>Description</b>	LGALS8, also known as prostate-specific membrane antigen (PCTA1), is an additional prostate-specific antigen that is overexpressed only in malignant tumors and therefore is a more specific identifier of malignancies. It is a member of the galectin gene family which mediates both cell-cell and cell matrix interactions in a manner similar to the selectin subgroup of C-type lectins.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.
<b>Molecular Mass</b>	38 KDa (339aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMLSLNNL QNIIYNPIIP YVGTITEQLK PGSLIVIRGH VPKDSERFQV DFQLGNSLKP RADVAFHFNP RFKRSSCIVC NTLTQEKGWGW EEITYDMPFR KEKSFEIVFM VLKNKFQVAV NGRHVLLYAH

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RISPEQIDTV GIYGKVNHS IGFRFSSDLQ SMETSALGLT QINRENIQKP  
 GKLQLSLPFE ARLNASMGPG RTVVIKGEVN TNARSFNVDL VAGKTRDIAL  
 HLNPRNLVKA FVRNSFLQDA WGEEERNITC FPFSSGMYFE MIIYCDVREF  
 KVAINGVHSL EYKHRFKDLS SIDTLSVDGD IRLLDVRSW

**Purity** >90% 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** 0.5 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [Lgals8 lectin, galactose binding, soluble 8 \[ Mus musculus \]](#)

**Official Symbol** Lgals8

**Synonyms** LGALS8; lectin, galactose binding, soluble 8; galectin-8; gal-8; galectin 8; galectin-8L; lectin, galactose binding, soluble 5; Lgals-8; AI326142; D13Erd524e; 1200015E08Rik;

**Gene ID** [56048](#)

**mRNA Refseq** [NM\\_001199043](#)

**Protein Refseq** [NP\\_001185972](#)

**Function** molecular\_function; sugar binding;

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