

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

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

SPECIFICATION

Product Overview	Recombinant mouse LGALS8 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 38 KDa.
Species	Mouse
Source	E.coli
ProteinLength	1-316aa
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.
Molecular Mass	38 KDa (339aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMLSLNNL QNIIYNPIIP YVGTITEQLK PGSLIVIRGH VPKDSERFQV DFQLGNSLKP RADVAFHFNP RFKRSSCIVC NTLTQEKWGW EEITYDMPFR KEKSFEIVFM VLKNKFQVAV NGRHVLLYAH

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RISPEQIDTV GIYGKVNHS IGFRFSSDLQ SMETSALGLT QINRENIQKP
GKLQLSLPFE ARLNASMGPG RTVVIKGEVN TNARSFNVDL VAGKTRDIAL
HLNPRLNVKA 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; D13Ert524e; 1200015E08Rik;

Gene ID [56048](#)

mRNA Refseq [NM_001199043](#)

Protein Refseq [NP_001185972](#)

Function molecular_function; sugar binding;

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