

Active Recombinant Mouse Lectin, Galactose Binding, Soluble 7

Cat. No. Lgals7-5679M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lgals7protein was expressed in E. coli. Ser2-Phe136.
Species	Mouse
Source	E.coli
ProteinLength	2-136 a.a.
Description	The Lgals7constitute a large family of carbohydrate-binding proteins with specificityfor N-acetyl-lactosamine-containing glycoproteins. At least 14 mammalianLgals7, which s hare structural similarities in their carbohydrate recognitiondomains (CRD), have been identified. The Lgals4 have been classified into theprototype Lgals7, which contain on e CRD and exist either as a monomer or anoncovalent homodimer; The chimera Lgal s7 containing one CRD linked to anonlectin domain; and the tandem-repeat Lgal s7 consisting of two CRDs joinedby a linker peptide.
Form	Lyophilized from a0.2 µm filtered solution in PBS and Betamercaptoethanol with BSA as a carrierprotein.
N-terminalSequence	Ser2
Molecular Weight	15 kDa
Activity	Measuredby its ability to agglutinate human red blood cells. Hadari, Y.R. et al.(2000)

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J. Cell Sci. 113:2385. The ED50 for this effect is typically 1-6 µg/mL.

Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	200 µg/mL in sterile PBS that containing at least 0.1% human or bovine serum albumin.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 3 months, 2 to 8°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Lgals7 lectin, galactose binding, soluble 7 [<i>Mus musculus</i>]
Official Symbol	Lgals7
Synonyms	Lgals7; lectin, galactose binding, soluble 7; Pig1; Galectin-7; MGC151215; MGC151217; gal-7; Lectin, galactose binding, soluble 7, isoform CRA_a; Uncharacterized protein; mCG_2998
Gene ID	16858
mRNA Refseq	NM_008496
Protein Refseq	NP_032522
UniProt ID	Q9CRB1

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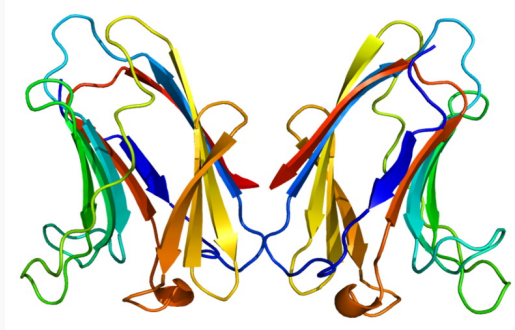
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Chromosome Location	7 A3; 7
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Function	sugar binding
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PDBrendering based on 1bkz.



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