

Active Recombinant Mouse Lectin, Galactose Binding, Soluble 7

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

SPECIFICATION

Product Overview	Recombinant Mouse Lgals7 protein was expressed in E. coli. Ser2-Phe136.
Species	Mouse
Source	E.coli
Protein Length	2-136 a.a.
Description	The Lgals7 constitute a large family of carbohydrate-binding proteins with specificity for N-acetyl-lactosamine-containing glycoproteins. At least 14 mammalian Lgals7, which share structural similarities in their carbohydrate recognition domains (CRD), have been identified. The Lgals4 have been classified into the prototype Lgals7, which contain one CRD and exist either as a monomer or a noncovalent homodimer; The chimera Lgal s7 containing one CRD linked to a nonlectin domain; and the tandem-repeat Lgal s7 consisting of two CRDs joined by a linker peptide.
Form	Lyophilized from a 0.2 µm filtered solution in PBS and Beta mercaptoethanol with BSA as a carrier protein.
N-terminal Sequence	Ser2
Molecular Weight	15 kDa
Activity	Measured by 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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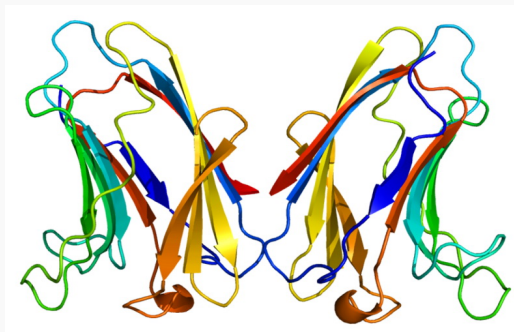
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Chromosome
Location 7 A3; 7

Function sugar binding

PDBrendering based
on 1bkz.



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