

Active Recombinant Mouse Lectin, Galactose Binding, Soluble 4

Cat. No. Lgals4-5678M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lgals4protein was expressed in E. coli. Met1-Ile326.
Species	Mouse
Source	E.coli
ProteinLength	1-326 a.a.
Description	The Lgals4constitute a large family of carbohydrate-binding proteins with specificityfor N-acetyl-lactosamine-containing glycoproteins. At least 14 mammalianLgals4, which s hare structural similarities in their carbohydrate recognitiondomains (CRD), have been identified. The Lgals4 have been classified into theprototype Lgals4, which contain on e CRD and exist either as a monomer or anoncovalent homodimer; The chimera Lgal s4 containing one CRD linked to anonlectin domain; and the tandem-repeat Lgal s4 consisting of two CRDs joinedby a linker peptide.
Form	Lyophilized from a0.2 µm filtered solution in PBS, EDTA, DTT and Trehalose.
N-terminalSequence	Ala2
Molecular Weight	36.2 kDa
Activity	Measuredby its ability to agglutinate human red blood cells. Hadari, Y.R. et al.(2000) J. Cell Sci. 113:2385. The ED50 for this effect istypically 4-16

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	µg/mL.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
SDS-PAGE	36 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	200 µg/mL in PBS
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	Lgals4 lectin, galactose binding, soluble 4 [<i>Mus musculus</i>]
Official Symbol	Lgals4
Synonyms	Lgals4; lectin, galactose binding, soluble 4; gal-4; galectin-4; lactose-binding lectin 4; MCG2985
Gene ID	16855
mRNA Refseq	NM_010706
Protein Refseq	NP_034836
UniProt ID	Q8K419

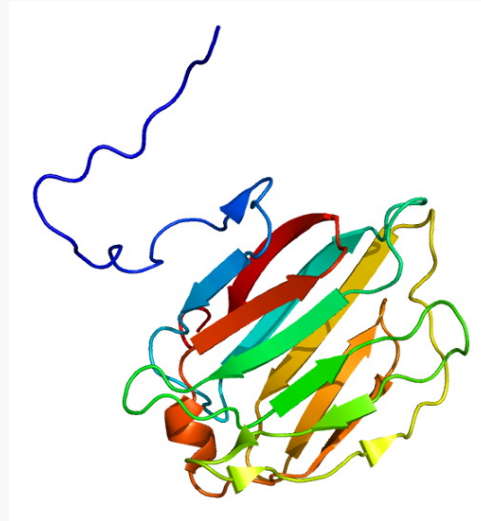
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Chromosome Location	7 A3; 7 4.0 cM
Function	protein binding;sugar binding

PDBrendering based on 1x50.



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