

Active Recombinant Mouse Lectin, Galactose Binding, Soluble 4

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

SPECIFICATION

Product Overview	Recombinant Mouse Lgals4 protein was expressed in E. coli. Met1-Ile326.
Species	Mouse
Source	E.coli
Protein Length	1-326 a.a.
Description	The Lgals4 constitute a large family of carbohydrate-binding proteins with specificity for N-acetyl-lactosamine-containing glycoproteins. At least 14 mammalian Lgals4, which share structural similarities in their carbohydrate recognition domains (CRD), have been identified. The Lgals4 have been classified into the prototype Lgals4, which contain one CRD and exist either as a monomer or a noncovalent homodimer; The chimera Lgals4 containing one CRD linked to a nonlectin domain; and the tandem-repeat Lgals4 consisting of two CRDs joined by a linker peptide.
Form	Lyophilized from a 0.2 µm filtered solution in PBS, EDTA, DTT and Trehalose.
N-terminal Sequence	Ala2
Molecular Weight	36.2 kDa
Activity	Measured by its ability to agglutinate human red blood cells. Hadari, Y.R. et al. (2000) J. Cell Sci. 113:2385. The ED50 for this effect is typically 4-16

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	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 [Mus musculus]
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.

