

Recombinant Mouse Lgals8 Protein, Myc/DDK-tagged

Cat. No. Lgals8-3776M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length lectin, galactose binding, soluble 8 (Lgals8), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Beta-galactoside-binding lectin that acts as a sensor of membrane damage caused by infection and restricts the proliferation of infecting pathogens by targeting them for autophagy. Detects membrane rupture by binding beta-galactoside ligands located on the luminal side of the endosome membrane; these ligands becoming exposed to the cytoplasm following rupture. Restricts infection by initiating autophagy via interaction with CALCOCO2/NDP52. Required to restrict infection of bacterial invasion such as <i>S.typhimurium</i> . Also required to restrict infection of Picornaviridae viruses. Has a marked preference for 3'-O-sialylated and 3'-O-sulfated glycans.
Molecular Mass	36.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Lgals8 lectin, galactose binding, soluble 8 [Mus musculus (house mouse)]

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_018886

Protein Refseq NP_061374

UniProt ID Q9JL15

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