

Recombinant Human LGALS3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LGALS3-693H Lot. No. (See product label)

SPECIFICATION

Product Overview

LGALS3 MS Standard C13 and N15-labeled recombinant protein (NP_002297) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.

Molecular Mass

26.2 kDa

AA Sequence

MADNFSLHDALSGSGNPNPQGWPAGWGNQPAGAGGYPGASYPGAYPGQAPPGA
YPGQAPPAYHGAPGAYPGAPAPGVYPGPPSGPGAYPSSGQPSAPGAYPATGPY
GAPAGPLIVPYNLPLPGGVVPRMLITILGTVKPNANRIALDFQRGNDVAFHFNPRFNE

 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



NNRRVIVCNTKLDNNWGREERQSVFPFESGKPFKIQLVEPDHFKVAVNDAHLLQY
NHRVKKLNEISKLGISGDIDLTSASYTMITRTRPLEQKLISEEDLAANDILDYKDDDDK
V

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [LGALS3 galectin 3 \[Homo sapiens \(human\) \]](#)

Official Symbol [LGALS3](#)

Synonyms LGALS3; lectin, galactoside-binding, soluble, 3; LGALS2; galectin-3; galectin 3; GALIG; MAC 2; lectin L-29; 35 kDa lectin; MAC-2 antigen; IgE-binding protein; laminin-binding protein; galactose-specific lectin 3; carbohydrate-binding protein 35; L31; GAL3; MAC2; CBP35; GALBP;

Gene ID [3958](#)

mRNA Refseq [NM_002306](#)

Protein Refseq [NP_002297](#)

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MIM 153619

UniProt ID P17931

SDS-PAGE



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