

Recombinant Human LGALS16 Protein (Ser2-Arg142), N-His tagged, Animal-free, Carrier-free

Cat. No. LGALS16-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGALS16 Protein (Ser2-Arg142) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ser2-Arg142
Description	Galectin-16 (Gal-16) is a lectin family member and is one of the prototype galectins, but it exists as a monomer, and it is remarkably different from other prototype galectins in β -galactoside binding. Like galectin-13 and galectin-14, Galectin-16 is expressed in the placenta, contributing to T cell apoptosis, immune regulation, and immune tolerance, which is indispensable for fetal development. The molecular mechanism has been demonstrated that galectin-16 forms complex with c-Rel, suggesting galectin-16-activated signal transduction pathways via the c-Rel hub in B or T cells at the maternal-fetal interface.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 17.4 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/ μ g of the protein by the LAL method.

 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

Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	LGALS16 galectin 16 [Homo sapiens (human)]
Official Symbol	LGALS16
Synonyms	LGALS16; galectin 16; galectin-16; beta-galactoside-binding lectin; lectin, galactoside-binding, soluble, 16; EC 3.1.1.5
Gene ID	www.ncbi.nlm.nih.gov/gene/148003
mRNA Refseq	NM_001190441
Protein Refseq	NP_001177370

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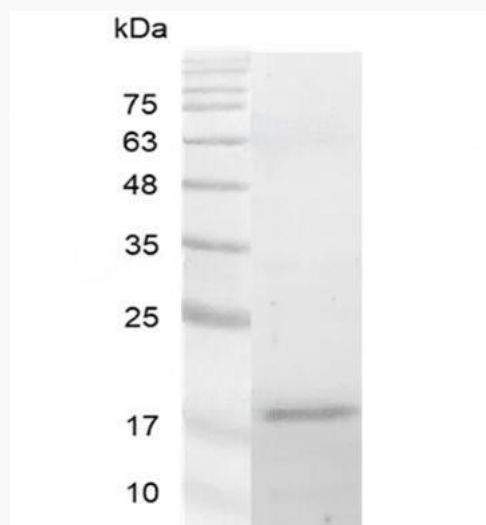
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UniProt ID

A8MUM7

**SDS-PAGE analysis
of recombinant
human Galectin-16.**



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