

Recombinant Human LGALS14 Protein (Ser2-Asp139), N-His tagged, Animal-free, Carrier-free

Cat. No. LGALS14-258H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGALS14 Protein (Ser2-Asp139) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ser2-Asp139
Description	Galectin-14 (Gal-14) is a lectin family member and is one of the prototype galectins. It contains one carbohydrate recognition domain (CRD), responsible for β -galactoside binding, and is biologically active as homodimers. Galectin-14 is like Galectin-13, which is expressed in the placenta, contributing to T cell apoptosis, immune regulation, and immune tolerance, which is indispensable for fetal development. The galectin-14 enhances trophoblast migration and invasion via promoting the expression of MMP-9 and N-cadherin in the Akt pathway. Furthermore, galectin-14 stimulates the production of IL-8 in non-activated T cells, which associate with angiogenesis at the maternal-fetal interface.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 16.9 kDa. The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
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 H ₂ O 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	LGALS14 lectin, galactoside-binding, soluble, 14 [Homo sapiens (human)]
Official Symbol	LGALS14
Synonyms	LGALS14; lectin, galactoside-binding, soluble, 14; placental protein 13-like; CLC2; PPL13; gal-14; galectin-14; Charcot-Leyden crystal protein 2; placental protein 13-like protein; MGC22235;
Gene ID	56891
mRNA Refseq	NM_020129

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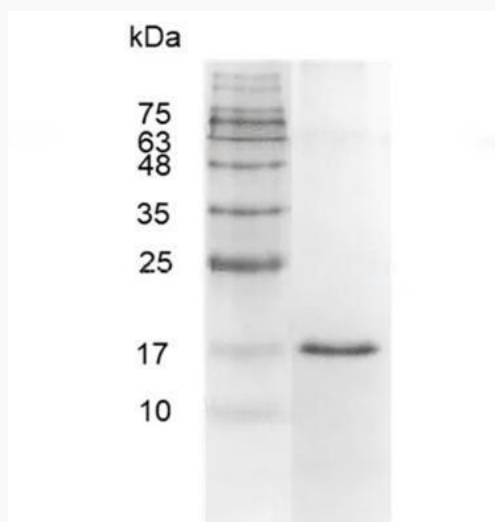
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Protein Refseq NP_064514

MIM 607260

UniProt ID Q8TCE9

**SDS-PAGE analysis
of recombinant
human Galectin-14.**



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