

Recombinant Human LGALS13 Protein (Ser2-Asn139), N-His tagged, Animal-free, Carrier-free

Cat. No. LGALS13-133H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGALS13 Protein (Ser2-Asn139) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ser2-Asn139
Description	Galectin-13 (Gal-13) 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-13 is expressed in the placenta, contributing to T cell apoptosis, immune regulation, and immune tolerance, which is indispensable for fetal development. For example, galectin-13 organizes crystal-like aggregates in the decidua, consequently attracting and killing maternal immune cells. Furthermore, galectin-13 is essential for driving neutrophil polarization in the placental-growth-permissive phenotype.
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).
Endotoxin	< 0.1 EU/ μ g of the protein by the LAL method.

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Purity	>95% 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	LGALS13 lectin, galactoside-binding, soluble, 13 [Homo sapiens (human)]
Official Symbol	LGALS13
Synonyms	LGALS13; lectin, galactoside-binding, soluble, 13; galactoside-binding soluble lectin 13; galectin 13; PLAC8; PP13; gal-13; galectin-13; placental protein 13; placental tissue protein 13; beta-galactoside-binding lectin; GAL13;
Gene ID	29124
mRNA Refseq	NM_013268
Protein Refseq	NP_037400

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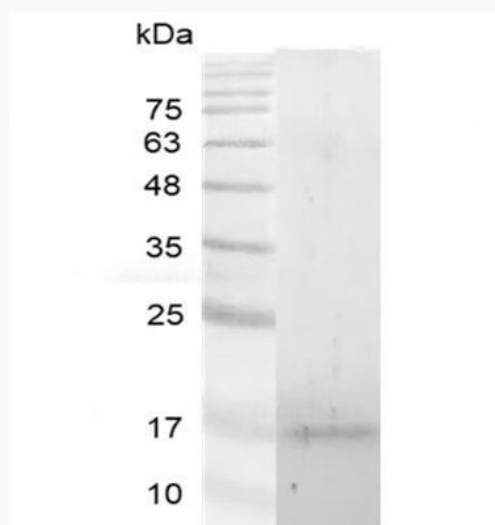
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MIM 608717

UniProt ID Q9UHV8

SDS-PAGE analysis
of recombinant
human Galectin-13.



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