Active Recombinant Human LGALS7 Protein (Ser2-Phe136), N-His tagged, Animal-free, Carrier-free

Cat. No. LGALS7-193H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGALS7 Protein (Ser2-Phe136) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ser2-Phe136
Description	Galectin-7 (Gal-7) 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-7 is constitutively presented in the gastrointestinal tract, stratified epithelia, skin, and fetal heart. It has been reported that galectin-7 serves as an effector in triggering apoptosis following activation of the p53 pathway. Furthermore, it serves important functions in numerous biological activities including cell adhesion, migration, proliferation, and differentiation.
Form	Lyophilized
Bio-activity	Measured by its ability to agglutinate human red blood cells. The ED50 for this effect is < 2 μg/mL
Molecular Mass	The protein has a calculated MW of 15.9 kDa. The protein migrates as 18 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 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	LGALS7 lectin, galactoside-binding, soluble, 7 [Homo sapiens (human)]
Official Symbol	LGALS7
Synonyms	LGALS7; lectin, galactoside-binding, soluble, 7; galectin-7; GAL7; galectin 7; LGALS7A; PIG1; TP53I1;
Gene ID	3963
mRNA Refseq	NM_002307

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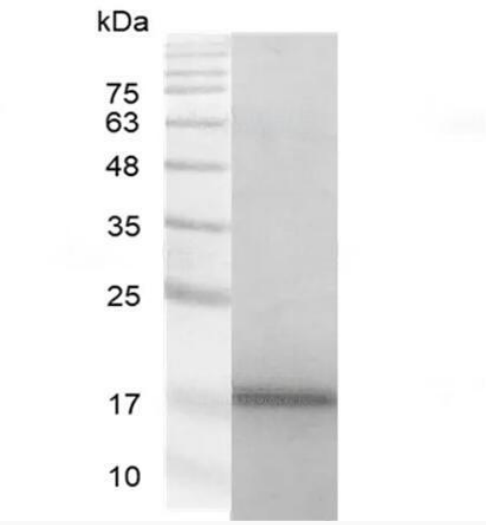
Protein Refseq	NP_002298
MIM	600615
UniProt ID	P47929
SDS-PAGE analysis of recombinant human Galectin-7.	

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