

Active Recombinant Human LGALS1 protein

Cat. No. LGALS1-717H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGALS1 protein(Met 1 - Asp 135) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Asp135
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Loaded Biotinylated Human CD45, His,Avitag on SA Biosensor, can bind Human Galectin-1, Tag Free with an affinity constant of 2.0 µM as determined in BLI assay (ForteBio Octet Red96e).
Molecular Mass	This protein carries no "tag".The protein has a calculated MW of 14.71 kDa. The protein migrates as 13-15 kDa under reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please protect from light and avoid repeated freeze-thaw cycles.This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months

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under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [LGALS1 lectin, galactoside-binding, soluble, 1 \[Homo sapiens \]](#)

Official Symbol [LGALS1](#)

Synonyms

LGALS1; lectin, galactoside-binding, soluble, 1; galectin-1; galectin 1; GBP; HBL; HPL; gal-1; HLBP14; galaptin; 14 kDa lectin; S-Lac lectin 1; lactose-binding lectin 1; 14 kDa laminin-binding protein; putative MAPK-activating protein PM12; beta-galactoside-binding lectin L-14-I; beta-galactoside-binding protein 14kDa; GAL1; DKFZp686E23103;


Gene ID [3956](#)

mRNA Refseq [NM_002305](#)

Protein Refseq [NP_002296](#)

MIM [150570](#)

UniProt ID [P09382](#)

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