

Recombinant Human LGALS9 Protein, Fc-tagged

Cat. No. LGALS9-471H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human LGALS9 (NP_002299.2) (Ala2-Thr323) was expressed with the Fc region of human IgG1 at the N-terminus.

Species Human

Source HEK293

ProteinLength Ala2-Thr323

Description The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The protein encoded by this gene is an S-type lectin. It is overexpressed in Hodgkin's disease tissue and might participate in the interaction between the H&RS cells with their surrounding cells and might thus play a role in the pathogenesis of this disease and/or its associated immunodeficiency. Multiple alternatively spliced transcript variants have been found for this gene.

Predicted N Terminal Glu

Form Lyophilized from sterile PBS, pH 7.4. Normally 5 %- 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Molecular Mass The recombinant human LGALS9 consists of 554 amino acids and predicts a molecular mass of 61.8 kDa

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Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -70 centigrade. Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	LGALS9 lectin, galactoside-binding, soluble, 9 [Homo sapiens]
Official Symbol	LGALS9
Synonyms	LGALS9; lectin, galactoside-binding, soluble, 9; galectin-9; galectin 9; LGALS9A; gal-9; ecalectin; tumor antigen HOM-HD-21; urate transporter/channel protein; HUAT; MGC117375; MGC125973; MGC125974;
Gene ID	3965
mRNA Refseq	NM_002308
Protein Refseq	NP_002299
MIM	601879
UniProt ID	O00182

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