

Recombinant Dog LGALS9 Protein, His-tagged

Cat. No. LGALS9-2391D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Dog LGALS9 Protein (Phe17-Thr355) with a N-His tag was expressed in E. coli.
Species	Dog
Source	E.coli
ProteinLength	Phe17-Thr355
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 51.7 kDa Accurate Molecular Mass: 53 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	LGALS9 galectin 9 [<i>Canis lupus familiaris</i> (dog)]
Official Symbol	LGALS9
Synonyms	LGALS9; galectin 9; UAT; galectin-9; galectin-9 lectin, galactoside-binding, soluble, 9 (galectin 9) urate transporter
Gene ID	442861
mRNA Refseq	NM_001003345
Protein Refseq	NP_001003345

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UniProt ID

E2QXK6

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