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## Datasheet for ABIN7318521 **LGALS7 Protein**

### Overview

Quantity:	50 µg
Target:	LGALS7
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

### Product Details

Purpose:	Recombinant Human Galectin-7/LGALS7 Protein (Active)
Sequence:	Met 1-Phe136
Characteristics:	Recombinant Human Galectin-7 is produced by our E.coli expression system and the target gene encoding Met1-Phe136 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to agglutinate human red blood cells.

### Target Details

Target:	LGALS7
Alternative Name:	Galectin-7/LGALS7 ( <a href="#">LGALS7 Products</a> )
Background:	Background: The Galectin family of proteins, with specificity for Nacetyllactosamine containing

## Target Details

glycoproteins, consists of beta-galactoside binding lectins containing homologous carbohydrate recognition domains (CRDs). They also possess hemagglutination activity, which is attributable to their bivalent carbohydrate binding properties. Galectins are active both intracellularly and extracellularly. Although they are localized primarily in the cytoplasm and lack a classical signal peptide, they can be secreted by one or more as yet unidentified non-classical secretory pathways. They have diverse effects on many cellular functions including adhesion, migration, polarity, chemotaxis, proliferation, apoptosis, and differentiation. Galectins may play a key role in many pathological states, including autoimmune diseases, allergic reactions, inflammation, tumor cell metastasis, atherosclerosis, and diabetic complications.

Synonym: Galectin-7, Gal-7, HKL-14, PI7, p53-Induced Gene 1 Protein, LGALS7, PIG1, LGALS7B

Molecular Weight: 14.9 kDa

UniProt: [P47929](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.