

Datasheet for ABIN7317435 **LGALS7 Protein (GST tag)**



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	LGALS7
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LGALS7 protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human Galectin-7/LGALS7 Protein (GST Tag)(Active)
Sequence:	Ser 2-Phe 136
Characteristics:	A DNA sequence encoding the human LGALS7 (P47929) (Ser 2-Phe 136) was fused with the GST tag at the N-terminus.
Purity:	> 92 % as determined by reducing SDS-PAGE.
Biological Activity Comment:	Measured by its ability to agglutinate human red blood cells. The ED50 for this effect is typically 0.01-0.05 µg/mL.

Target Details

Target:	LGALS7
Alternative Name:	Galectin-7/LGALS7 (LGALS7 Products)

Target Details

Background:	<p>Background: LGALS7, also known as Galectin-7, is a member of the galectins family. The galectins are a family of beta-galactoside-binding proteins. There are at least 14 identified members in this family. Galectins share similarities in the CRD (the carbohydrate recognition domain). They are synthesized as cytosolic proteins. Though localized principally in the cytoplasm and lacking a classical signal peptide, galectins can also be stimulated to secretion by non-classical pathways or alternatively targeted to the nucleus. Galectins are implicated in modulating cell-cell and cell-matrix interactions. LGALS7 contains 1 galectin domain and is mainly expressed in stratified squamous epithelium. Galectin-7 could be involved in cell-cell and/or cell-matrix interactions necessary for normal growth control. LGALS7 is a pro-apoptotic protein that functions intracellularly upstream of JNK activation and cytochrome c release.</p> <p>Synonym: Galectin-7, Gal-7, HKL-14, PI7, p53-Induced Gene 1 Protein, LGALS7, PIG1, LGALS7B</p>
Molecular Weight:	41.8 kDa
UniProt:	P47929

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.5
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>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.</p>