

Datasheet for ABIN7549010  
**LGALS8 Protein (AA 1-317) (His tag)**



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## Overview

Quantity:	1 mg
Target:	LGALS8
Protein Characteristics:	AA 1-317
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LGALS8 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat LGALS8 Protein expressed in mammalien cells.
Sequence:	MMLSLNNLQN IYNPVIPIFV GTIPDQLDPG TLIVIRGHVP SDADRFQVDL QNGSSMKPRA DVAHFHFNPRF KRAGCIVCNT LINEKWGREE ITYDTPFKRE KSFEIVIMVL KDKFQVAVNG KHTLLYGHRI GPEKIDTLGI YGKVNIHSIG FSFSSDLQST QASSLELTEI SRENVPKSGT PQLRLPFAAR LNTPMGPGRT VVKGEVNAN AKSFNVDLLA GKSKDIALHL NPRLNIKAFV RNSFLQESWG EEERNITSFP FSPGMYFEMI IYCDVREFKV AVNGVHSLEY KHRFKELSSI DTLEINGDIH LLEVRWSW <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>

Characteristics:	Key Benefits: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>
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## Product Details

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- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	LGALS8
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Alternative Name:	LGALS8 ( <a href="#">LGALS8 Products</a> )
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Background:	<p>Galectin-8 (Gal-8) (Po66 carbohydrate-binding protein) (Po66-CBP) (Prostate carcinoma tumor antigen 1) (PCTA-1),FUNCTION: Beta-galactoside-binding lectin that acts as a sensor of membrane damage caused by infection and restricts the proliferation of infecting pathogens by targeting them for autophagy (PubMed:22246324, PubMed:28077878). Detects membrane rupture by binding beta-galactoside ligands located on the luminal side of the endosome membrane, these ligands becoming exposed to the cytoplasm following rupture (PubMed:22246324, PubMed:28077878). Restricts infection by initiating autophagy via interaction with CALCOCO2/NDP52 (PubMed:22246324, PubMed:28077878). Required to restrict infection of bacterial invasion such as S.typhimurium (PubMed:22246324). Also required to restrict infection of Picornaviridae viruses (PubMed:28077878). Has a marked preference for 3'-O-sialylated and 3'-O-sulfated glycans (PubMed:21288902). {ECO:0000269 PubMed:21288902, ECO:0000269 PubMed:22246324, ECO:0000269 PubMed:28077878}.</p>
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Molecular Weight:	35.8 kDa
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## Target Details

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UniProt: [O00214](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months