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Datasheet for ABIN7318846

**ITLN1/Omentin Protein (His tag)**

## Overview

Quantity:	100 µg
Target:	ITLN1/Omentin (ITLN1)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITLN1/Omentin protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Intelectin-1/ITLN1 Protein (His Tag)
Sequence:	Thr19-Ser298
Characteristics:	Recombinant Human Intelectin-1 is produced by our E.coli expression system and the target gene encoding Thr19-Ser298 is expressed with a 6His tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	ITLN1/Omentin (ITLN1)
Alternative Name:	Intelectin-1/ITLN1 ( <a href="#">ITLN1 Products</a> )
Background:	Background: Intelectin-1(ITLN1) is a secreted protein and contains 1 fibrinogen C-terminal domain. Intelectin-1 is a 40 kDa Ca-dependent galactofuranose-binding lectin that is not a C-type lectin. It is expressed on multiple cell types and appears to participate in insulin signaling

## Target Details

and microbe recognition. The protein has no effect on basal glucose uptake but enhances insulin-stimulated glucose uptake in adipocytes. It increases AKT phosphorylation in the absence and presence of insulin and it may play a role in the defense system against microorganisms. It also may specifically recognize carbohydrate chains of pathogens and bacterial components containing galactofuranosyl residues, in a calcium-dependent manner. Synonym: Intelectin-1, ITLN-1, Endothelial lectin HL-1, Galactofuranose-binding lectin, Intestinal lactoferrin receptor, Omentin, INTL, ITLN, LFR

Molecular Weight: 32.7 kDa

UniProt: [Q8WWA0](#)

## 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 50 mM Tris, 100 mM NaCl, 5 mM GSH, 0.5 mM GSSG, pH 8.0.

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.