

# Recombinant Human Intelectin-1/ITLN1 Protein (His Tag)



Catalog Number:PKSH034073

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

<b>Synonyms</b>	Intelectin-1;ITLN-1;Endothelial lectin HL-1;Galactofuranose-binding lectin;Intestinal lactoferrin receptor;Omentin.
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Cys31-Gly253
<b>Accession</b>	Q8WWA0
<b>Calculated Molecular Weight</b>	26.4 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	lyophilized from PBS pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## 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 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.

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