

# Recombinant Rat ITLN1 protein ab157045

### Description

<b>Product name</b>	Recombinant Rat ITLN1 protein
<b>Purity</b>	> 95 % SDS-PAGE.
<b>Endotoxin level</b>	>=0.100 Eu/μg
<b>Expression system</b>	HEK 293 cells
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Rat
<b>Sequence</b>	<p>KEDLETNKGTHSFFDSLRSCKEIKEENTGAQDGLYFLRT  ENGVIYQTFC  DMTTAGGGWTLVASVHENNMGGKCTVGDRWSSQQGNR  ADYPEGDGNWANY  NTFGSAEGATSDDYKNPGYFDIQAENLGWHPNNSPLHS  WRNSSLLRYR  TFTGFLQLGHNLFGLYQKYPVKYGEKGCWTDNGPALPV  VYDFGDAQKTA  SYSPYQGKEFTAGFVQFRVYNNERAASALCAGMKVTGC  NSEAHCIGGGG  FFPEGNPLQCGDFGAFDWNGYGTHIGYSSSREITEAAVLL  FYR</p>
<b>Predicted molecular weight</b>	38 kDa including tags
<b>Amino acids</b>	20 to 313
<b>Tags</b>	proprietary tag N-Terminus

### Specifications

Our **Abpromise guarantee** covers the use of **ab157045** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** SDS-PAGE

**Form** Lyophilized

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle. Constituent: 99% PBS
<b>Reconstitution</b>	Reconstitute with 100µl sterile water. Avoid freeze/thaw cycles.

## General Info

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<b>Function</b>	Has no effect on basal glucose uptake but enhances insulin-stimulated glucose uptake in adipocytes. Increases AKT phosphorylation in the absence and presence of insulin. May play a role in the defense system against microorganisms. May specifically recognize carbohydrate chains of pathogens and bacterial components containing galactofuranosyl residues, in a calcium-dependent manner. May be involved in iron metabolism.
<b>Tissue specificity</b>	Highly expressed in omental adipose tissue where it is found in stromal vascular cells but not in fat cells but is barely detectable in subcutaneous adipose tissue (at protein level). Highly expressed in the small intestine. Also found in the heart, testis, colon, salivary gland, skeletal muscle, pancreas and thyroid and, to a lesser degree, in the uterus, spleen, prostate, lymph node and thymus.
<b>Sequence similarities</b>	Contains 1 fibrinogen C-terminal domain.
<b>Developmental stage</b>	Found in fetal small intestine and thymus.
<b>Post-translational modifications</b>	N-glycosylated.
<b>Cellular localization</b>	Cell membrane. Secreted. Enriched in lipid rafts.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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- We provide support in Chinese, English, French, German, Japanese and Spanish
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