

Recombinant human Omentin/ITLN1 protein

Catalog Number: ATGP1125

PRODUCT INFORMATION

Expression system

E.coli

Domain

17-313aa

UniProt No.

Q8WWA0

NCBI Accession No.

NP_060095

Alternative Names

Intelectin-1, Endothelial lectin HL-1, Galactofuranose-binding lectin, Intestinal lactoferrin receptor, Omentin, INTL, ITLN, LFR

PRODUCT SPECIFICATION

Molecular Weight

33.2 kDa (298aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

ITLN1, also known as intelectin1 or omentin, has no effect on basal glucose uptake but enhances insulin-stimulated glucose uptake in adipocytes. ITLN1 may play a role in the defense system against microorganisms and specifically recognize carbohydrate chains of pathogens and bacterial components containing galactofuranosyl residues, in a calcium-dependent manner.

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Amino acid Sequence

MWSTDEANTY FKEWTCSSSP SLPRSCKEIK DECPSAFDGL YFLRTENGVI YQTFCDMTSG GGGWTLVASV HENDMRGKCT
VGDRWSSQQG SKAVYPEGDG NWANYNTFGS AEAATSDDYK NPGYYDIQAK DLGIWHVPNK SPMQHWRNSS
LLRYRTDTGF LQTLGHNLFQ IYQKYPVKYG EGKCWTDNGP VIPVVYDFGD AQKTASYSP YGQREFTAGF VQFRVFNNER
AANALCAGMR VTGCNTEHHC IGGGGYFPEA SPQQCGDFSG FDWSGYGTHV GYSSSREITE AAVLLFYR

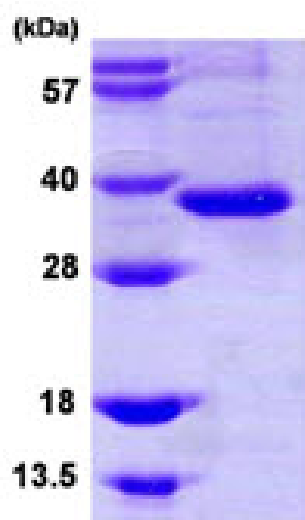
General References

Tsuji S., et al. (2001) J. Biol. Chem. 276:23456-23463.

Tsuji S., et al. (2007) Glycobiology (10):1045-51

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)