

Recombinant Human ITLN1

Cat. No. ITLN1-3575H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ITLN1 protein was expressed in E.coli and purified by using conventional chromatography techniques (17-313 aa).
Species	Human
Source	E.coli
ProteinLength	17-313 a.a.
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Weight	33.2 kDa (298aa)
Purity	> 90% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MWSTDEANTY FKEWTCSSSP SLPRSCKEIK DECPSAFDGL YFLRTENGVI YQTFCDMTSG GGGWTLVASV HENDMRGKCT VGDRWSSQQG SKAVYPEGDG

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NWANYNTFGS AEAATSDDYK NPGYYDIQAK DLGIWHVPNK SPMQHWNRSS
 LLRYRTDTGF LQTLGHNLFG IYQKYPVKYG EGKWCWDNGP VIPVVYDFGD
 AQKTASYSP YGQREFTAGF VQFRVFNNER AANALCAGMR VTGCNTEHHC
 IGGGGYFPEA SPQQCGDFSG FDWSGYGTHV GYSSSREITE AAVLLFYR

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name

[ITLN1](#) [intelectin 1 \(galactofuranose binding\)](#) [[Homo sapiens](#)]

Official Symbol

ITLN1

Synonyms

ITLN1; intelectin 1 (galactofuranose binding); HL1; LFR; HL-1; INTL; ITLN; hIntL; omentin; FLJ20022; Omentin; Galactofuranose-binding lectin; Intestinal lactoferrin receptor; Endothelial lectin HL-1; Intelectin-1; OTTHUMP00000027882

Gene ID

[55600](#)

mRNA Refseq

[NM_017625](#)

Protein Refseq

[NP_060095](#)

MIM

[609873](#)

UniProt ID

[Q8WWA0](#)

Chromosome Location

1q21.3

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Function

receptor binding; sugar binding

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