

Recombinant Human Omentin/Intelectin-1/ITLN-1 Protein(N-6His)

Cat.NO.: TP05283

3th Edition

Synonyms:Intelectin-1; ITLN-1; Endothelial lectin HL-1; Galactofuranose-binding lectin; Intestinal lactoferrin receptor; Omentin; INTL; ITLN; LFR

Description: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.

Form:PBS

Molecular Weight:32.7 kDa

Sequences:Thr19-Ser298

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.