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32-8325: Recombinant Human Omentin/Intelectin-1/ITLN-1 (N-6His)

Gene : ITLN1
Gene ID : 55600
Uniprot ID : Q8WWA0

Description

Source: E. coli.
MW :32.7kD.
Recombinant Human Intelectin-1 is produced by our E.coli expression system and the target gene encoding Thr19-Ser298 is expressed with a 6His tag at the N-terminus. 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 systemagainst microorganisms. It also may specifically recognize carbohydrate chains of pathogens and bacterial components containing galactofuranosy l residues, in a calcium-dependent manner.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 50mM Tris,100mMNaCl, 5mM GSH, 0.5mM GSSG,pH8.0 .
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	MNHKVHHHHHHMTDEANTYFKEWTCSSSPSLPRSCKEIKDECPSAFDGLYFLRTENGVIYQTFCDMTSGGGG WTLVASVHENDMRGKCTVGDRWSSQQGSKAVYPEGDGNWANYNTFGSAEAATSDDYKNPGYYDIQAKDLG IWHVPNKSPMQHWRNSSLLRYRTDTGFLQTLGHNLFGIYQKYPVKYGEGKCWTDNGPVIPVVYDFGDAQKTA SYYSPYGQREFTAGFVQFRVFNNERAANALCAGMRVTGCNTEHHCIGGGGYFPEASPQQCGDFSGFDWSGY GTHVGYS

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.