

32-12265: Human Omentin

Gene : ITLN1

Gene ID : 55600

Uniprot ID : Q8WWA0

Alternative Name : Intelectin-1, Endothelial lectin HL-1, Galactofuranose-binding lectin, Intestinal lactoferrin receptor

Description

Source: Genetically modified E.coli.

Predicted MW: Dimer, 35.0/70.0 kDa (313/626 aa)

Omentin is an adipokine that is produced and secreted by the small intestine, visceral adipose tissue, perivascular adipose tissue, and epicardial adipose tissue. Omentin enhances insulin-stimulated glucose uptake in adipocytes and is a link between obesity and Type 2 Diabetes. Omentin also functions as a vasodilator and plays a protective role during coronary atherosclerosis and hypertension.

Product Info

Amount : 10 µg / 100 µg

Purification : Reducing and Non-Reducing SDS PAGE at >= 90%

Content : Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate and 5:1 mannitol to protein, pH 7.5
Sterile water at 0.1 mg/mL

Storage condition : Store at -20°C

Amino Acid : MNQLSFLFL IATTRGWSTD EANTYFKEWT CSSPSLPRS CKEIKDECPS AFDGLYFLRT
ENGVIYQTFCDMTSGGGGWT LVAHVHENDM RGKCTVGDRW SSQQGSKADY PEGDGNWANY
NTFGSAEAAT SDDYKNPGYY DIQAKDLGIW HVPNKSPMQH WRNSSLLRYR TDTGFLQTLG
HNLFGIYQKY PVKYGEGKCW TDNGVPVIVV YDFGDAQKTA SYSPYGGQRE FTAGFVQFRV
FNNERAANAL CAGMRVTGCN TEHHCIGGGG YFPEASPQQC GDFSGFDWSG YGTHVGYSSS
REITEAAVLL FYR

Application Note

Endotoxin: Less than 0.5 ng/Âµg (1 IEU/Âµg) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80Â°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss. Â Â



