Recombinant Human ITLN1 Protein

Cat. No. ITLN1-197H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITLN1 Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Monomer, 35.0 kDa (313 amino acids)
AA Sequence	MNQLSFLLFLIATTRGWSTDEANTYFKEWTCSSSPSLPRSCKEIKDECPSAFDGLYF LRTENGVIYQTFCDMTSGGGGWTLVASVHENDMRGKCTVGDRWSSQQGSKADYP EGDGNWANYNTFGSAEAATSDDYKNPGYYDIQAKDLGIWHVPNKSPMQHWRNSS LLRYRTDTGFLQTLGHNLFGIYQKYPVKYGEGKCWTDNGPVIPVVYDFGDAQKTAS YYSPYGQREFTAGFVQFRVFNNERAANALCAGMRVTGCNTEHHCIGGGGYFPEAS PQQCGDFSGFDWSGYGTHVGYSSSREITEAAVLLFYR
Endotoxin	≤5 EUs/μg, Kinetic LAL

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Purity	≥90%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate and 5: 1 mannitol to protein, pH 7.5
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	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 -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	ITLN1 intelectin 1 (galactofuranose binding) [Homo sapiens (human)]
Official Symbol	ITLN1
Synonyms	ITLN1; intelectin 1 (galactofuranose binding); intelectin-1; FLJ20022; hIntL; HL 1; ITLN; LFR; ITLN-1; endothelial lectin HL-1; galactofuranose-binding lectin; intestinal lactoferrin receptor; HL1; HL-1; INTL; omentin;
Gene ID	55600

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mRNA Refseq	NM_017625
Protein Refseq	NP_060095
MIM	609873
UniProt ID	Q8WWA0

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