

ITLN1

Recombinant Human Omentin/Intelectin-1

Catalog No.	CRO104A CRO104B CRO104C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	Intelectin-1, ITLN-1, Omentin, Endothelial lectin HL-1, Galactofuranose-binding lectin, Intestinal lactoferrin receptor		
Description:	Omentin-1, also known as intelectin-1 (ITLN1), is an adipokine that is regarded as a secretory protein produced by adipose tissue. ITLN1 may mediate cardiovascular protective effects and circulating ITLN1 levels can be used as a biomarker of cancers, polycystic ovary syndrome, preeclampsia, inflammatory diseases, and metabolic disorders, including diabetes and metabolic syndrome ¹ . ITLN1 can promote inflammation in primary human adipocytes through the activation of extracellular signal-regulated kinase, and it increases insulin-stimulated glucose uptake in human adipocytes via the activation of phosphatidylinositol 3-kinase/protein kinase B.		
UniProt ID:	Q8WWA0		
Source:	<i>E. coli</i>		
Molecular Weight:	35 kDa (313 aa)		
Formulation:	Sterile filtered and lyophilized. Each mg of lyophilized powder contains 10 mM NaP, pH 7.5, and 5:1 mannitol/protein.		
Purity:	>95% by SDS-PAGE		
Amino Acid Sequence:	MNQLSFLFL IATTRGWSTD EANTYFKEWTCSSPSLPRS CKEIKDECPS AFDGLYFLRT ENGVYQTF CDMTSGGGGWT LVASVHENDM RGKCTVGDRW SSQQGSKADY PEGDGNWANY NTFGSAEAAT SDDYKNPGYY DIQAKDLGIW HVPNKSPMQH WRNSSLLRYR TDTGFLQTLG HNLFGIYQKY PVKYGEGKCW TDNGPVIPVV YDFGDAQKTA SYSPYQRE FNNERAANAL CAGMRVTGCN TEHHCIGGGG YFPEASPQQC GDFSGFDWSG YGTHVGYSSS REITEAAVLL FYR		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in water to a concentration not less than 0.1 mg/ml. The solution can be further diluted into other aqueous buffers and stored in working aliquots.		
Storage & Stability:	Stable at room temperature for up to three weeks. On receipt, store lyophilized protein at -20°C to -80°C for up to 1 year. After reconstitution, use within 1 week at 2-8°C or store aliquots at -20°C to -80°C with the addition of a carrier protein (0.1% HSA or BSA). Avoid repeated freeze-thaw cycles.		

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