

Recombinant Human Intelectin 1 (Galactofuranose Binding), His-tagged

Cat. No. ITLN1-912H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human intelectin 1 (galactofuranose binding) encoding the human encoding the mature human Omentin 1 (Thr ¹⁹ -Arg ³¹³) with 6 His tag on the N-Terminus was expressed in <i>E. Coli</i> . This protein was purified by Ni-NTA column. MW=34KD.
Species	Human
Source	E.coli
ProteinLength	19-313 a.a.
Description	Omentin1 is highly expressed in omental adipose tissue. As a secreted novel depot-specific adipokine, Omentin 1 has no effect on basal glucose uptake but enhances insulin-stimulated glucose uptake in adipocytes. Increases AKT phosphorylation in the absence and presence of insulin. decreased omentin 1 levels are associated with increasing obesity and insulin resistance.
Sequence	Human Omentin 1 (Thr ¹⁹ -Arg ³¹³).TD EANTYFKEWT CSSSPSLPRS CKEIKDECPS AFDGLYFLRT ENGVIIQTFC DMTSGGGGWT LVASVHENDM RGKCTVGDRW SS QQGSKAVY PEGDGNWANY NTFGSAAEAT SDDYKNPGYY DIQAKDLGIW HVPNK SPMQH WRNSSLLRYR TDTGFLQTLG HNLFGIYQKY PVKYGEGKCW TDNGPVIP VV YDFGDAQKTA SYSPYQGRE FTAGFVQFRV FNNERAANAL CAGMRVTGCN TEHHCIGGGG YFPEASPQQC GDFSGFDWSG YGTHVGYSSS REITEAAVLL FYR.

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Purity	>95% in SDS gel.
Formulation	Lyophilized 100 µg human Omentin 1 in 50 µl of TBS (20 mM Tris, 50mM NaCl, pH8.0). Carry free.
Reconstitution	Add 500µl deionized water to the vial to prepare a working stock solution at 200 µg/mL. Allow to set at least 30 minutes at 4°C, mix well.
Application	Cell biology, ELISA.
Storage	Store lyophilized protein at -20°C to -70°C. Lyophilized protein is stable for up to 6 months from date of receipt at - 20°C to -70°C. Upon reconstitution, this protein can be stored at -20°C for up to a few weeks or at -70°C in a manual defrost freezer for long term storage (six months). Aliquot reconstituted protein to avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	ITLN1 intelectin 1 (galactofuranose binding) [Homo sapiens]
Synonyms	ITLN1; intelectin 1 (galactofuranose binding); HL1; LFR; HL-1; INTL; ITLN; hIntL; omentin; FLJ20022; Intelectin-1; Omentin; Galactofuranose-binding lectin; Intestinal lactoferrin receptor; Endothelial lectin HL-1; OTTHUMP00000027882
Gene ID	55600
mRNA Refseq	NM_017625
Protein Refseq	NP_060095

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MIM	609873
UniProt ID	Q8WWA0
Chromosome Location	1q21.3
Function	receptor binding; sugar binding

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