

Omentin Recombinant Protein | ITLN1 recombinant protein

Recombinant Human Omentin

CATALOG # AAA38151	HOST E Coli
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PRODUCT SYNONYMS

Omentin; Recombinant Human Omentin; Omentin Human; Omentin Human Recombinant; Intelectin-1; HL1; LFR; HL-1; INTL; ITLN; hIntL; ITLN1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	Each mg of lyophilized powder contains 20mM NaP, pH-7.5 and 0.5% manntiol. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MNQLSFLLFL IATTRGWSTD EANTYFKEWT CSSSPSLPRS CKEIKDECPS AFDGLYFLRT ENGVIYQTFC DMTSGGGGWT LVASVHENDM RGKCTVGDRW SSQQGSKADY PEGDGNWANY NTFGSAEAT SDDYKNPGYY DIQAKDLGIW HVPNKSPMQH WRNSSLLRYR TDTGFLQTLG HNLFGIYQKY PVKYGEGKCW TDNGPVI PVV YDFGDAQTA SYSPYQGRE FNNERAANAL CAGMRVTGCN TEHHCIGGGG YFPEASPPQC GDFSGFDWSG YGTHVGYSSS REITEAAVLL FYR
Sequence Length	313
Solubility	It is recommended to reconstitute the lyophilized Omentin in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized Intelectin although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution Intelectin should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for ITLN1 recombinant protein	Description: Omentin Human Recombinant is produced in E Coli by recombinant DNA technology is a single, polypeptide chain containing 313 amino acids and having a molecular mass of 35 kDa. Intelectin is purified by proprietary chromatographic techniques. Introduction: Omentin is a recently recognized gene highly localized to the mental tissue (visceral adipose tissue). Omentin is present in the stromal vascular cells in the adipose tissue rather than in the adipocytes. Omentin is predominantly expressed in the visceral adipose tissue than the subcutaneous tissue, with the omentin mRNA being 150 times higher in the visceral adipose tissue. Omentin has also been detected in human blood using western blot analysis, and seems to increase insulin-stimulated glucose uptake in 3T3-L1 adipocytes in mice. Omentin seems to increase Akt phosphorylation irrespective of insulin presence. Its role in glucose metabolism and obesity remains to be described; an insulin-sensitizing action is possible. Differences in Omentin expression has been noted in adipose tissue from normals and patients with inflammatory bowel disease although its significance is unknown.
Product Categories/Family for ITLN1 recombinant protein	Cytokines and Growth Factors; Growth Factors; Omentin

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542986
NCBI GeneID	55600

NCBI Accession #	NP_060095.2
NCBI GenBank Nucleotide #	NM_017625.2
UniProt Accession #	Q8WWA0 ; Q5IWS4 ; Q5VYI4 ; Q6YDJ3 ; Q9NP67
Molecular Weight	34,962 Da
NCBI Official Full Name	intelectin-1
NCBI Official Synonym Full Names	intelectin 1 (galactofuranose binding)
NCBI Official Symbol	ITLN1
NCBI Official Synonym Symbols	HL1; LFR; HL-1; INTL; ITLN; hIntL; omentin
NCBI Protein Information	intelectin-1; ITLN-1; endothelial lectin HL-1; galactofuranose-binding lectin; intestinal lactoferrin receptor
UniProt Protein Name	Intelectin-1
UniProt Gene Name	ITLN1
UniProt Synonym Gene Names	INTL; ITLN; LFR; ITLN-1
UniProt Entry Name	ITLN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/itln1-recombinant-protein-e-coli/38151>