9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Omentin Human

Omentin Human Recombinant
GRF0285

Product Overview

Name	Omentin Human
Description	
Omentin Human Recombinant	
Accession (Primary)	Q8WWA0
Synonyms	
Intelectin-1, HL1, LFR, HL-1, INTL, ITLN, hIntL.	
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 INSstimulated glucose uptake in 3T3-L1 adipocytes in mice. Omentin seems to increase Akt phosphorylation irrespective of INS presence. Its role in glucose metabolism and obesity remains to be described; an INS-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.	
Source	
E.Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Each mg of lyophilized powder contains 10mM NaP, pH-7.5 and 5:1 mannitol to protein.	
Stability	
Lyophilized Intelectin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Intelectin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	

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MNQLSFLLFL IATTRGWSTD EANTYFKEWTCSSSPSLPRS CKEIKDECPS AFDGLYFLRT ENGVIYQTFC DMTSGGGGWT LVASVHENDM RGKCTVGDRW SSQQGSKADY PEGDGNWANY NTFGSAEAAT SDDYKNPGYY DIQAKDLGIW HVPNKSPMQH WRNSSLLRYR TDTGFLQTLG HNLFGIYQKY PVKYGEGKCW TDNGPVIPVV YDFGDAQKTA SYYSPYGQRE FNNERAANAL CAGMRVTGCN TEHHCIGGGG YFPEASPQQC GDFSGFDWSG YGTHVGYSSS REITEAAVLLFYR.

Solubility

It is recommended to reconstitute the lyophilized Omentin in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Omentin Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8WWA0)