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

Omentin Human, His

Omentin Human Recombinant, His Tag
GRF0286

Product Overview

Name	Omentin Human, His
Description	
Omentin Human Recombinant, His Tag	
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 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Each mg of lyophilized powder contains 20mM Tris & 50mM NaCl pH-8.0.	
Stability	
Lyophilized Intelectin His Tag 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(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	

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MRGSHHHHHH GMASTDEANT YFKEWTCSSS PSLPRSCKEI KDECPSAFDG LYFLRTENGV IYQTFCDMTS GGGGWTLVAS VHENDMRGKC TVGDRWSSQQ GSKAVYPEGD GNWANYNTFG SAEAATSDDY KNPGYYDIQA KDLGIWHVPN KSPMQHWRNS SLLRYRTDTG FLQTLGHNLF GIYQKYPVKY GEGKCWTDNG PVIPVVYDFG DAQKTASYYS PYGQREFTAG FVQFRVFNNE RAANALCAGM RVTGCNTEHH CIGGGGYFPE ASPQQCGDFS GFDWSGYGTH VGYS.

Solubility

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

Applications

Elisa Western blot.

Precautions

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

Target Information: (Q8WWA0)