

GFH140AF Recombinant Human Omentin (Animal-Free)

Description

Omentin is an adipokine that is produced and secreted by the small intestine, visceral adipose tissue, perivascular adipose tissue, and epicardial adipose tissue. Omentin enhances insulin-stimulated glucose uptake in adipocytes and is a link between obesity and Type 2 Diabetes. Omentin also functions as a vasodilator and plays a protective role during coronary atherosclerosis and hypertension.

This product is produced with no animal derived raw products. All processing and handling employs animal free equipment and animal free protocols.

Length	313 aa
Molecular Weight	35.0 kDa
Source	E. coli
Accession Number	Q8WWA0
Purity	≥90% determined by reducing and non-reducing SDS-PAGE

Specifications

Alternative Names	Intelectin-1, ITLN-1
Biological Activity	There is no data currently available.
Endotoxin Level	≤5.00 EU/μg as measured by kinetic LAL
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate and 5:1 mannitol to protein, pH 7.5
AA Sequence	MNQLSFLFL IATTRGWSTD EANTYFKEWI CSSSPSLPRS CKEIKDECPS AFDGLYFLRT ENGVIIYQTFC DMTSGGGGWT LVASVHENDM RGKCTVGDRW SSQQGSKADY PEGDGNWANY NTFGSAEAAAT SDDYKNPGYY DIQAKDLGIW HVPNKSPMQH WRNSSLLRYR TDTGFLQTLG HNLFGIYQKY PVKYGEGKCW TDNGPVIQVV YDFGDAQKTA SYSPYQRE FT

Preparation and Storage

Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
Stability and Storage	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.