

## GFH140 Recombinant Human Omentin

### 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.

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

### Specifications

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

### Preparation and Storage

<b>Reconstitution</b>	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.
<b>Stability and Storage</b>	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.