

GFH107 Recombinant Human Resistin

Description

Resistin is a peptide hormone belonging to a class of cysteine-rich secreted proteins, termed the resistin-like molecules (RELM) family. Resistin is produced by macrophages and functions during insulin sensitivity and inflammatory processes.

Length	93 / 186 aa
Molecular Weight	9.9 / 19.7 kDa
Source	E. coli
Accession Number	Q9HD89
Purity	≥95% determined by reducing and non-reducing SDS-PAGE

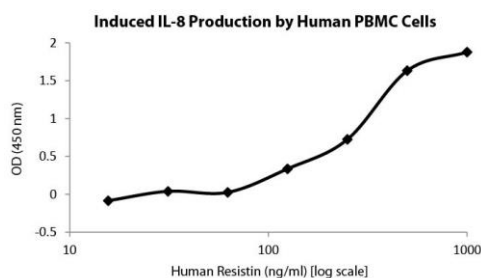
Specifications

Alternative Names	Insulin-like Growth Factor 1, somatamedin C, mechano growth factor, IGF-IA, IGF-IB, IGF-I, IGFI, insulin-like growth factor I, IGF1A1, insulin-like growth factor IA, insulin-like growth factor IB, MGF2, IBP1
Biological Activity	Human Resistin is fully biologically active when compared to standard. The activity is determined by the ability to produce IL-8 by human PBMC cells.
Endotoxin Level	≤1.00 EU/μg as measured by kinetic LAL
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
AA Sequence	MSSKTLCSME EAINERIQEV AGSLIFRAIS SIGLEQCQSVT SRGDLATCPR GFAVTGCTCG SACGSWDVRA ETTCHCQCAG MDWTGARCCR VQP

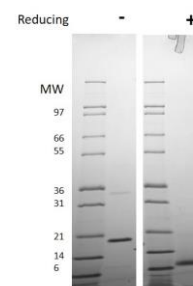
Preparation and Storage

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.

Data



Induced production of IL-8 by human PBMC cells in response to Human Resistin.



Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 μg of protein was loaded in each lane. Human Resistin has a predicted Mw of 19.7 kDa (each monomer is 9.9 kDa).