

GFH36 Recombinant Human Chemerin

Description

Chemerin is a chemoattractant adipokine that is expressed in white adipose, liver, skin, and lung tissues. Chemerin is a ligand for the G protein-coupled receptor chemokine-like receptor 1 (ChemR23), which is expressed on dendritic cells, macrophages, and adipocytes. Chemerin functions to recruit macrophages to sites of tissue damage and inflammation. Chemerin is also a regulator of glucose metabolism in the liver.

Length	138 aa
Molecular Weight	16 kDa
Source	E. coli
Accession Number	Q99969
Purity	≥95% determined by reducing and non-reducing SDS-PAGE

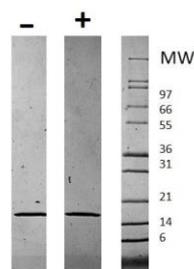
Specifications

Alternative Names	Tazarotene-induced gene 2, TIG2, RARRES2
Biological Activity	Human Chemerin is fully biologically active when compared to standard. The activity can be determined by its ability to chemoattract human Chem23R transfected BaF3 mouse pro-B cells and it is typically 4 - 20 ng/ml.
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	MELTEAQRRG LQVALEEFHK HPPVQWAFQE TSVESAVDTP FPAGIFVRL E FKLQQTSCRK RDWKKPECKV RPNGRKRKCL ACIKLGSEDK VLGRLVHCPI ETQVLR EAE HQETQCLRVQ RAGEDPHSFY FPGQFAFS

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



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 Chemerin has a predicted Mw of 16 kDa.