

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.

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

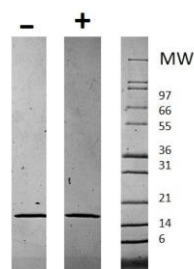
Specifications

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|----------------------------|---|
| 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

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|------------------------------|---|
| 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.