



Recombinant Human Chemerin

Catalog Number: 100-36
Accession Number: Q99969

Specifications and Uses:

Alternate Names: Tazarotene-induced gene 2 (TIG2), RARRES2

Description:

Chemerin is a chemoattractant expressed in white adipose, liver and lung tissues. Chemerin is a ligand for the G-protein coupled receptor known as ChemR23 (or chemokine-like receptor-1), which is expressed mainly on dendritic cells, macrophages and some adipocytes. Recombinant human Chemerin is a non-glycosylated protein, containing 138 amino acids, with a total molecular weight of 16 kDa.

Source: *E.coli*

Physical Appearance: Sterile filtered white lyophilized (freeze-dried) powder.

Formulation and Stability:

Recombinant human Chemerin is lyophilized from 0.2% TFA. Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term 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 a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Protein Content and Purity (typically ≥ 98%) determined by:

HPLC, Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm

Endotoxin Level:

Measured by kinetic LAL analysis and is typically ≤ 1 EU/μg protein.

Biological Activity:

The activity is determined by its ability to chemoattract human Chem23R transfected BaF3 mouse pro-B cells and is typically 4-20 ng/mL.

AA Sequence:

MELTEAQRRLG LQVALEEFHK HPPVQWAFQE TSVESAAVDTP FPAGIFVRL EFKLQQTSRK RDWKKPECKV
RPNGRKRKCL ACIKLGSEDK VLGRLVHCPI ETQVLREAE EHQETQCLRVQ RAGEDPHSFY FPGQFAFS

THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT FOR USE IN HUMANS!

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