Recombinant Human Chemerin

Cat No:HR2R1268

For research use only

Overview

Quantity	25 ?g
Gene Symbol	RARRES2
Gene ID	5919
Accession	Q99969
Alternative Name	RAR-responsive protein TIG2, Tazarotene-induced gene 2 protein, Retinoic acid receptor responder protein 2, RARRES2
Species	Human
Source	E. coli
Description	Human Chemerin, also known as Tazarotene induced Gene 2 (TIG2), is an adipokine that regulates adipogenesis, metabolism and inflammation through activation of the chemokine-like receptor 1. Its other ligands include G protein-coupled receptor 1 and chemokine receptor-like 2. Chemerin is expressed in various tissues where its biologically active form is generated by proteolytic removal of C-terminal residues by circulating proteases. In human, the soluble protoform gets processed into a monomeric, heparin binding bioactive molecule that can have both pro- and anti-inflammatory properties depending on the modality of enzymatic cleavage by different classes of proteases.
Functions	Measured by its ability to chemoattract BaF3 mouse pro-B cells transfected with human ChemR23. The ED(50) for this effect is typically 4 - 20 ng/mL.
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS
Solubility	Reconstitute at 0.1 mg/mL in sterile PBS
Appearance	Lyophilized Powder
Molecular Weight	16
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.