

## **Recombinant Human Chemerin** Cat No:HR2R1268

For research use only

## Overview

| Quantity              | 25 ?g  |
|-----------------------|--|
| Gene Symbol           | RARRES2  |
| Gene ID               | 5919   |
| Accession             | Q99969   |
| Alternative<br>Name   | RAR-responsive protein TIG2, Tazarotene-induced gene 2 protein, Retinoic acid receptor responder protein 2, RARRES2  |
| Species               | Human  |
| Source                |  |
| 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<br>Weight   | 16   |
| Purity                | >95% as determined by SDS-PAGE   |
| Concentration         | <1.0 EU/?g of recombinant protein as determined by the LAL method  |
| Shipping<br>Condition | Ambient Temperature  |
| Storage<br>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.  |