9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RARRES2 Human

Retinoic Acid Receptor Responder 2 Human Recombinant
RCP1815

Product Overview

Name	RARRES2 Human
Description	
Retinoic Acid Receptor Responder 2 Human Recombinant	
Accession (Primary)	Q99969
Synonyms	
Chemerin, TIG2, Retinoic acid receptor responder protein 2, RAR-responsive protein TIG2, RARRES2, HP10433.	
Introduction	
RARRES2 is a secreted chemotactic protein that initiates chemotaxis through the ChemR23 G protein-coupled seven-transmembrane domain ligand. RARRES2 acts as an adipokine, and is truncated on both termini from the proprotein. RARRES2 is structurally related to the cathelicidin precursors, cystatin C and kininogens. RARRES2 promotes calcium mobilization and chemotaxis of immature dendritic cells and macrophages. RARRES2 is secreted as a precursor of little biological activity, which requires proteolytic cleavage of its COOH-terminal domain to be exchangeed into a potent and highly specific agonist of ChemR23. RARRES2 signals via its receptor, ChemR23 (CMKLR1), as a positive regulator of adipocyte differentiation and metabolic function. The Chemerin receptor acts as a coreceptor for SIV and some primary HIV-1 strains.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The RARRES2 protein was lyophilized from 0.02% TFA.	
Stability	
Lyophilized Chemerin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Chemerin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	

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MELTEAQRRG LQVALEEFHK HPPVQWAFQE TSVESAAVDTP FPAGIFVRLE FKLQQTSRK RDWKKPECKV RPNGRKRKCL ACIKLGSEDK VLGRLVHCPI ETQVLREAEE HQETQCLRVQ RAGEDPHSFY FPGQFAFS.

Solubility

It is recommended to reconstitute the lyophilized Chemerin in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

RARRES2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q99969)