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

RARRES2 Human, Sf9

Retinoic Acid Receptor Responder 2 Human Recombinant, Sf9
RCP1818

Product Overview

Name	RARRES2 Human, Sf9

Description

Retinoic Acid Receptor Responder 2 Human Recombinant, Sf9

Accession (Primary)	Q99969

Synonyms

Retinoic Acid Receptor Responder 2, Chemerin, Retinoic Acid Receptor Responder (Tazarotene Induced) 2, Tazarotene-Induced Gene 2 Protein, RAR-Responsive Protein TIG2, TIG2, Retinoic Acid Receptor Responder Protein 2, HP10433, Retinoic acid receptor responder protein 2, Chemerin, RAR-responsive protein TIG2, Tazarotene-induced gene 2 protein.

Introduction

RARRES2 is a secreted chemotactic protein that initiates chemotaxis through the ChemR23 G protein-coupled seven-transmembrane domain ligand. RARRES2 is upregulated by the synthetic retinoid tazarotene and found in a vast variety of tissues. 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. The Chemerin receptor has another ligand, called tazarotene-induced gene.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

RARRES2 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

ADP ELTEAQR RGLQVALEEF HKHPPVQWAF QETSVESAVD TPFPAGIFVR LEFKLQQTSC RKRDWKKPEC KVRPNGRKRK CLACIKLGSE DKVLGRLVHC PIETQVLREA EEHQETQCLR VQRAGEDPHS FYFPGQFAFS HHHHHH.

Precautions

RARRES2 Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q99969)