9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-13376: RARRES2 Human, Sf9

Alternative Name :	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.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
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.
RARRES2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 146 amino acids (21-157a.a.) and having a molecular mass of 16.9kDa. (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). RARRES2 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	RARRES2 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	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.
Amino Acid :	ADPELTEAQR RGLQVALEEF HKHPPVQWAF QETSVESAVD TPFPAGIFVR LEFKLQQTSC RKRDWKKPEC KVRPNGRKRK CLACIKLGSE DKVLGRLVHC PIETQVLREA EEHQETQCLR VQRAGEDPHS FYFPGQFAFS HHHHHH.

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