

32-13377: RARRES2 Human, HEK

Alternative Name : Chemerin, TIG2, Tazarotene-induced gene 2 protein, Retinoic acid receptor responder protein 2, RAR-responsive protein TIG2, RARRES2, HP10433.

Description

Source: HEK293.

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 many 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 exchanged into a potent and highly specific agonist of ChemR23.

RARRES2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (21-157 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 143 amino acids and having a molecular mass of 16.6kDa. RARRES2 shows multiple bands between 13.5-18kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : RARRES2 protein solution (0.5mg/ml) contains 10% glycerol & Phosphate buffered saline (pH7.4).

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 : ELTEAQRRGL QVALEEFHKH PPVQWAFQET SVESAVDTPF PAGIFVRLEF KLQQTSCRKR DWKKPECKVR PNGRKRKCLA CIKLGSSEDKV LGRLVHCPIE TQVLREAEH QETQCLRVQR AGEDPHSFYF PGQFAFSHHH HHH.