

32-4609: Recombinant Human Retinoic Acid Receptor Responder 2 His Tag

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

Description

Source : Escherichia Coli. RARRES2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 158 amino acids (21-157a.a) and having a total molecular mass of 18 kDa. RARRES2 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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 exchanged 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.

Product Info

Amount :	25 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	RARRES2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea 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 :	MGSSHHHHHH SSSLVPRGSH MELTEAQRGG LQVALEEFHK HPPVQWAFQE TSVESAVDTP FPAGIFVRLE FKLQQTSCRK RDWKKPECKV RPNGRKRKCL ACIKLGSEDK VLGRLVHCPI ETQVLREAE HQETQCLRVQ RAGEDPHSFY FPGQFAFS.