

HUMAN CMKLR1 FULL LENGTH PROTEIN

目录: 11107

产品名称: Human CMKLR1 Full Length Protein

规格: 10 µg; 50 µg and 100 µg

基因符号: CHEMERINR; ChemR23; DEZ; RVER1

Target: CMKLR1

UNIPROT ID: Q99788

描述: Human CMKLR1 Full Length Protein-Synthetic Nanodisc

背景: Receptor for the chemoattractant adipokine chemerin/RARRES2 and for the omega-3 fatty acid derived molecule resolvin E1. Interaction with RARRES2 induces activation of intracellular signaling molecules, such as SKY, MAPK1/3 (ERK1/2), MAPK14/P38MAPK and PI3K leading to multifunctional effects, like, reduction of immune responses, enhancing of adipogenesis and angiogenesis. Resolvin E1 down-regulates cytokine production in macrophages by reducing the activation of MAPK1/3 (ERK1/2) and NF-kappa-B. Positively regulates adipogenesis and adipocyte metabolism. Acts as a coreceptor for several SIV strains (SIVMAC316, SIVMAC239, SIVMAC17E-FR and SIVSM62A), as well as a primary HIV-1 strain (92UG024-2).

Species/Host: HEK293

Molecular Weight: The human full length CMKLR1 protein has a MW of 42.3 kDa

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization.

储存和运输: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: N/A

ELISA assay to evaluate CMKLR1-Nanodisc 0.2µg Human CMKLR1-Nanodisc per well

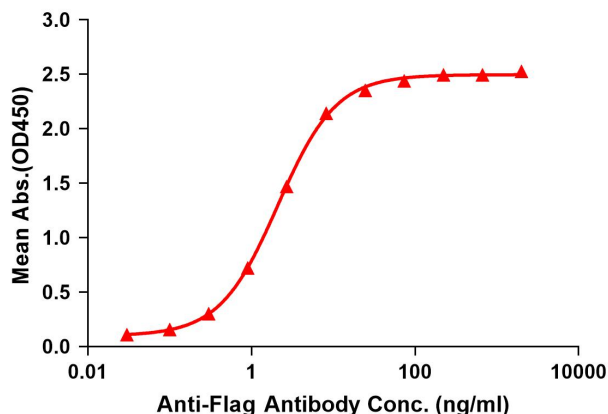


Figure 1. Elisa plates were pre-coated with Flag Tag CMKLR1-Nanodisc (0.2µg/per well). Serial diluted Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for Flag monoclonal antibody binding with CMKLR1-Nanodisc is 2.107ng/ml.



Figure 2. Human CMKLR1-Nanodisc, Flag Tag on SDS-PAGE