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Datasheet for ABIN7491562 CCR4 Protein

Overview

Quantity:	100 µg
Target:	CCR4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic

Product Details

Purpose:	Human CCR4 full length protein-synthetic nanodisc
Characteristics:	Full Length Transmembrane Proteins (synthetic Nanodisc)

Target Details

Target:	CCR4
Alternative Name:	CCR4 (CCR4 Products)
Background:	<p>CC-CKR-4, CD194, ChemR13, CKR4, CMKBR4</p> <p>Description: The protein belongs to the G-protein-coupled receptor family . It is a receptor for the CC chemokine - MIP-1, RANTES, TARC and MCP-1. Chemokines are a group of small polypeptide, structurally related molecules that regulate cell trafficking of various types of leukocytes. The chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis.</p>
Molecular Weight:	The human full length CCR4 Protein has a MW of 41.4 kDa

Target Details

UniProt: [P51679](#)

Application Details

Application Notes:

- Applications for VLPs:
- ELISA
- SPR affinity analysis
- Phage display screening
- Immunization
- Cell based assays
- CAR-T cell screening
- Protein crystal structure analysis

Comment: Synthetic Nanodisc can be prepared directly from the cells. The polymers used during this process have a dual function. It dissolves the cell membranes, like the detergent, and uses cellular phospholipids to form Nanodisc around the membrane proteins. The target protein embedded Nanodiscs can then be purified.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Supplied in nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0)

Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months