Datasheet for ABIN7491560

CCR4 Protein-VLP

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Overview

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

Product Details

Purpose:	Human CCR4 full length protein-VLP
Characteristics:	VLP

Target Details

Target:	CCR4
Alternative Name:	CCR4 (CCR4 Products)
Background:	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.
Molecular Weight:	The human full length CCR4 Protein has a MW of 41.4 kDa
UniProt:	P51679

Application Details

Comment:	Virus-like particles (VLPs) are self-assembling multi-protein nanoparticles with similar structural organization and conformation as viruses but without viral genome. The size of the VLP is about 100-150nm. It is secreted from the surface of the cells that express target membrane proteins (MPs). The purified VLPs have the target MPs inserted in a complete bilayer phospholipid membrane structure, mimic the natural membrane-penetrating state of the protein. VLPs can be used for routine biochemical analysis, including ELISA, SPR affinity analysis, phage display screenings, protein labeling and cell binding experiments, Flow virometry analysis, etc. It can also be used as functional protein antigens to develop active antibodies with high drug potentials because the target protein on VLP exhibits a state like its native state on the cell surface.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
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

