Datasheet for ABIN7199042

CCR5 Protein-VLP

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Overview

Quantity:	100 µg
Target:	CCR5
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	VLP

Product Details

Purpose:	Human CCR5 Full Length Protein-VLP (HEK293)
Sequence:	Met 1 - Leu 352
Characteristics:	Human CCR5 Full Length Protein-VLP (CC5-H52P3) is expressed from human 293 cells (HEK293). It contains AA Met 1 - Leu 352 (Accession # P51681-1).
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CCR5
Alternative Name:	CCR5 (CCR5 Products)
Background:	Synonyms: CCR5,CMKBR5,CD195,CC-CKR-5,CHEMR13, Description: Receptor for a number of inflammatory CC-chemokines including CCL3/MIP-1-alpha, CCL4/MIP-1-beta and RANTES and subsequently transduces a signal by increasing the intracellular calcium ion level. May play a role in the control of granulocytic lineage proliferation or differentiation.5 Publications (Microbial infection) Acts as a coreceptor (CD4 being the

Target Details

	primary receptor) of human immunodeficiency virus-1/HIV-1.
Molecular Weight:	40.5 kDa
Pathways:	Cellular Response to Molecule of Bacterial Origin, cAMP Metabolic Process, Regulation of Cell Size

Application Details

Application Notes:	The protein has a calculated MW of 40.5 kDa.
Comment:	Virus-like particles (VLPs) are formed by self-assembly of envelop/capsid proteins from viruses. Membrance Proteins can be constituted in-situ with VLPs produced from HEK293 cell cultures. These VLPs concentrate conformationally intact membrane proteins directly on the cell surface and produce soluble, high-concentration proteins perfect for immunization and antibody screening. The VLPs provide the display of properly folded membrane proteins in their native cellular membrane in a compact size of 100~300 nm diameter (similar to the size of most viruses) making it optimal targets for dendritic cells in vivo and surface attachment for phage display.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS, pH 7.4
Storage:	-80 °C
Storage Comment:	-70°C