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## Datasheet for ABIN7491559 CCR3 Protein

### Overview

Quantity:	100 µg
Target:	CCR3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic

### Product Details

Purpose:	Human CCR3 full length protein-synthetic nanodisc
Characteristics:	Full Length Transmembrane Proteins (synthetic Nanodisc)

### Target Details

Target:	CCR3
Alternative Name:	CCR3 ( <a href="#">CCR3 Products</a> )
Background:	<p>C C CKR3, CC-CKR-3, CD193, CKR 3, CKR3, CMKBR3</p> <p>Description: The protein encoded by this gene is a receptor for C-C type chemokines. It belongs to family 1 of the G protein-coupled receptors. This receptor binds and responds to a variety of chemokines, including eotaxin (CCL11), eotaxin-3 (CCL26), MCP-3 (CCL7), MCP-4 (CCL13), and RANTES (CCL5). It is highly expressed in eosinophils and basophils, and is also detected in TH1 and TH2 cells, as well as in airway epithelial cells. This receptor may contribute to the accumulation and activation of eosinophils and other inflammatory cells in the allergic airway. It is also known to be an entry co-receptor for HIV-1. This gene and seven other chemokine receptor genes form a chemokine receptor gene cluster on the chromosomal region 3p21.</p>

## Target Details

Alternatively spliced transcript variants have been described. [provided by RefSeq, Sep 2009]

Molecular Weight: The human full length CCR3 protein has a MW of 41 kDa

UniProt: [P51677](#)

## 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