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## Datasheet for ABIN7491557 CCR2 Protein

### Overview

Quantity:	100 µg
Target:	CCR2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic

### Product Details

Purpose:	Human CCR2 full length protein-synthetic nanodisc
Characteristics:	Full Length Transmembrane Proteins (synthetic Nanodisc)

### Target Details

Target:	CCR2
Alternative Name:	CCR2 ( <a href="#">CCR2 Products</a> )
Background:	<p>CC-CKR-2, CCR-2, CCR2A, CCR2B, CD192, CKR2, CKR2A, CKR2B, CMKBR2, MCP-1-R</p> <p>Description: The protein is a receptor for monocyte chemoattractant protein-1, a chemokine which specifically mediates monocyte chemotaxis. Monocyte chemoattractant protein-1 is involved in monocyte infiltration in inflammatory diseases such as rheumatoid arthritis as well as in the inflammatory response against tumors. The encoded protein mediates agonist-dependent calcium mobilization and inhibition of adenylyl cyclase. This protein can also be a coreceptor with CD4 for HIV-1 infection. This gene is located in the chemokine receptor gene cluster region of chromosome 3.</p>
Molecular Weight:	The human full length CCR2 protein has a MW of 41.9 kDa

## Target Details

UniProt:	<a href="#">P41597</a>
Pathways:	<a href="#">cAMP Metabolic Process</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a>

## Application Details

Application Notes:	<ul style="list-style-type: none"><li>• Applications for VLPs:</li><li>• ELISA</li><li>• SPR affinity analysis</li><li>• Phage display screening</li><li>• Immunization</li><li>• Cell based assays</li><li>• CAR-T cell screening</li><li>• Protein crystal structure analysis</li></ul>
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