Datasheet for ABIN7596543

# CCR6 Protein (DYKDDDDK Tag,Strep Tag)

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## Overview

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| Quantity: | 10 µg |
| Target: | CCR6 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Synthetic Nanodisc |
| Purification tag / Conjugate: | This CCR6 protein is labelled with DYKDDDDK Tag,Strep Tag. |
| Application: | Immunogen (Imm), ELISA, Surface Plasmon Resonance (SPR), Phage Display (PhD), Cryogenic electron microscopy (cryo-EM) |

## Product Details

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| Purpose: | Human CCR6-Strep full length protein-synthetic nanodisc |

## Target Details

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| Target: | CCR6 |
| Alternative Name: | CCR6 (CCR6 Products) |
| Background: | BN-1, C-C CKR-6, CC-CKR-6, CCR-6, CD196, CKR-L3, CKRL3, CMKBR6, DCR2, DRY6, GPR29, GPRCY4, STRL22<br>The protein is a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. The gene is preferentially expressed by immature dendritic cells and memory T cells. The ligand of this receptor is macrophage inflammatory protein 3 alpha (MIP-3 alpha). This receptor has been shown to be important for B-lineage maturation and antigen-driven B-cell differentiation, and it may regulate |

## Target Details

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| | the migration and recruitment of dentritic and T cells during inflammatory and immunological responses. Alternatively spliced transcript variants that encode the same protein have been described for this gene. |
| Molecular Weight: | The human full length CCR6-Strep protein has a MW of 42.5 kDa |
| UniProt: | P51684 |
| Pathways: | cAMP Metabolic Process |

## Application Details

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| Comment: | Advantages:<br>• Highly purified membrane proteins<br>• High solubility in aqueous solutions<br>• High stability<br>• Proteins are in a native membrane environment and remain biologically active<br>• No detergent and can be used for cell-based assays<br>• No MSP backbone proteins<br>• Mammalian cell expression system ensures post- translational modifications |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Buffer: | Solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). 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 |