Datasheet for ABIN7596571

# CXCR1 Protein (DYKDDDDK Tag,Strep Tag)

Go to Product page

## Overview

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| Quantity: | 10 µg |
| Target: | CXCR1 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Synthetic Nanodisc |
| Purification tag / Conjugate: | This CXCR1 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 CXCR1-Strep full length protein-synthetic nanodisc |

## Target Details

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| Target: | CXCR1 |
| Alternative Name: | CXCR1 (CXCR1 Products) |
| Background: | C-C, C-C-CKR-1, CD128, CD181, CDw128a, CKR-1, CMKAR1, IL8R1, IL8RA, IL8RBA<br>The protein is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. Knockout studies in mice suggested that this protein inhibits embryonic oligodendrocyte precursor migration in developing spinal cord. This gene, IL8RB, a gene encoding another high affinity IL8 receptor, as well as IL8RBP, a pseudogene of IL8RB, form a gene cluster in a region mapped to chromosome 2q33-q36. |

## Target Details

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| Molecular Weight: | The human full length CXCR1-Strep protein has a MW of 39.8 kDa |
| UniProt: | P25024 |
| 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).<br>Lyophilized proteins are shipped at ambient temperature. |
| Expiry Date: | 12 months |