

**PRODUCT INFORMATION**

<b>Tag</b>	C-Flag&Strep Tag
<b>Expression Host</b>	HEK293
<b>Target</b>	XCR1
<b>Synonyms</b>	CCXCR1; GPR5
<b>Description</b>	Human XCR1-Strep full length protein-synthetic nanodisc
<b>Uniprot ID</b>	P46094
<b>Protein Families</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways</b>	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
<b>Molecular Weight</b>	The human full length XCR1-Strep protein has a MW of 38.5 kDa
<b>Delivery</b>	6~8weeks
<b>Formulation &amp; Reconstitution</b>	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
<b>Sterility</b>	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
<b>Storage&amp;Shipping</b>	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.
<b>Background</b>	The protein is a chemokine receptor belonging to the G protein-coupled receptor superfamily. The family members are characterized by the presence of 7 transmembrane domains and numerous conserved amino acids. This receptor is most closely related to RBS11 and the MIP1-alpha/RANTES receptor. It transduces a signal by increasing the intracellular calcium ions level. The viral macrophage inflammatory protein-II is an antagonist of this receptor and blocks signaling. Several alternatively spliced transcript variants encoding the same protein have been found for this gene.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated

