

## **PRODUCT INFORMATION**

C-Flag&Strep Tag Tag

**Target** CXCR6

**Synonyms** BONZO; CD186; CDw186; STRL33; TYMSTR

Human CXCR6-Strep full length protein-synthetic **Description** 

nanodisc

**Delivery** 6~8weeks **Uniprot ID** 000574 **Expression Host HEK293** 

**Protein Families** Druggable Genome, GPCR, Transmembrane

Chemokine signaling pathway, Cytokine-cytokine **Protein Pathways** 

receptor interaction

The human full length CXCR6-Strep protein has a **Molecular Weight** 

MW of 39.3 kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% Formulation & - 8% trehalose is added as protectants before Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. 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

Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

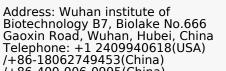
A G protein-coupled receptor with seven transmembrane domains that belongs to the CXC chemokine receptor family. This family also includes CXCR1, CXCR2, CXCR3, CXCR4, CXCR5, and CXCR7. This gene, which maps to the chemokine receptor gene cluster, is expressed in several T lymphocyte subsets and bone marrow stromal cells. The encoded protein and its exclusive ligand, chemokinė ligand 16 (CCL16), are part of a signalling pathway that regulates T lymphocyte migration to various peripheral

tissues (the liver, spleen red pulp, intestine, lungs, and skin) and promotes cell-cell interaction with dendritic cells and fibroblastic reticular cells. CXCR6/CCL16 also controls the localization of resident memory T lymphocytes to different compartments of the lung and maintains airway resident memory T lymphocytes, which are an important first line of defense against respiratory pathogens. The encoded protein serves as an

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entry coreceptor used by HIV-1 and SIV to enter target cells, in conjunction with CD4.

**Usage** Research use only Conjugate Unconjugated



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**Background** 

