

PRODUCT INFORMATION

Tag	N-His, C-Single Strep Tag
Expression Host	E.coli
Target	CXCR6
Description	Human CXCR6 cell-free full length protein-Detergent
Synonyms	BONZO; CD186; CDw186; STRL33; TYMSTR
Uniprot ID	O00574
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
Molecular Weight	The human CXCR6 cell-free full length protein-Detergent has a MW of 41.5kDa
Delivery	1 week
Formulation & Reconstitution	Liquid, 50mM HEPES, 150mM NaCl□0.05% Brij35, PH7.5
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Storage&Shipping	Store at -80°C, Ship on dry ice.
Purity	>80%
Background	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, chemokine 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 entry coreceptor used by HIV-1 and SIV to enter target cells, in conjunction with CD4.
Usage	Research use only
Conjugate	Unconjugated



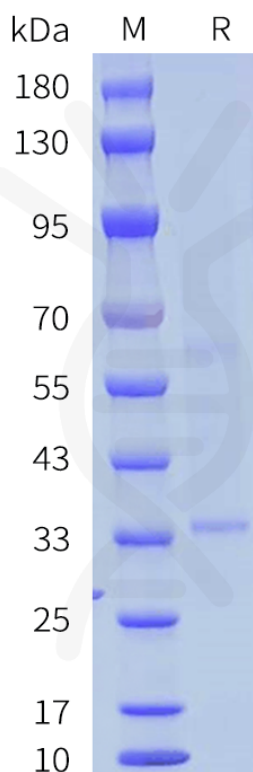


Figure 1. Human CXCR6 cell-free-Detergent,N-His, C-Single Strep Tag on SDS-PAGE.

DIMABIO CONFIDENTIAL

