

CXCR6 Protein-VLP, Human, Recombinant (Flag & His-Strep)

General Information

Synonyms:	TYMSTR;CD186;STRL33;CDw186;BONZO
Protein Construction:	A DNA sequence encoding the Human CXCR6 (O00574) (Met1-Leu342) was expressed, with a Flag tag at the N-terminus, a polyhistidine tag and a strep tag at the C-terminus.
Species:	Human
Expression Host:	HEK293 Cells
Accession:	O00574
Molecular Weight:	43.17 kDa (predicted)

QC Testing

Biological Activity:	Immobilized CXCR6 Protein-VLP, Human, Recombinant (Flag & His-Strep) (Cat#TMPY-07101) at 5 µg/mL (100 µL/well) can bind Anti-CXCR6 Monoclonal Antibody, Human IgG1, the EC50 is 1-5 ng/mL.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Supplied as sterile 50 mM Hepes, 150 mM NaCl, 10% Trehalose, pH 7.2. Please contact us for any concerns or special requirements. Please refer to the specific buffer information in the hardcopy of datasheet or the lot-specific COA.

Preparation and Storage

Stability & Storage:	Samples are stable for up to twelve months from date of receipt at -70°C. Store it under sterile conditions at -70°C or lower. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	Proteins are shipped with blue ice.

Protein Background

CXCR6, the receptor for CXCL16, is expressed on multiple cell types and can be a coreceptor for human immunodeficiency virus 1. Chemokine (C-X-C motif) receptor 6 (CXCR6) is up-regulated in many malignancies, indicating that CXCR6 plays an important role in tumor progression. CXCR6 enhances OS cell proliferation and invasion through the Akt pathway. The CXC-chemokine receptor 6 (CXCR6) is a class A GTP-binding protein-coupled receptor (GPCRs) that mediates adhesion of leukocytes by interacting with the transmembrane cell surface-expressed chemokine ligand 16 (CXCL16), and also regulates leukocyte migration by interacting with the soluble shed variant of CXCL16.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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