

HUMAN CCR6 PROTEIN, MFC TAG

Cat.#: 11773

Product Name: Human CCR6 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: CC-CKR-6;CKR-L3;DRY6;GPRCY4;CD196

Target: CCR6

UNIPROT ID: P51684

Description: Recombinant human CCR6 protein with C-terminal mouse Fc tag

Background: This gene encodes a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. The gene is preferentially expressed by immature dendritic cells and memory T cells. The ligand of this receptor is macrophage inflammatory protein 3 alpha (MIP-3 alpha). This receptor has been shown to be important for B-lineage maturation and antigen-driven B-cell differentiation, and it may regulate the migration and recruitment of dendritic and T cells during inflammatory and immunological responses. Alternatively spliced transcript variants that encode the same protein have been described for this gene. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 31.7 kDa after removal of the signal peptide. The apparent molecular mass of CCR6-mFc is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: CCR6(Met1-Leu47) mFc(Pro99-Lys330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: 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.

Storage & Shipping: 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.



Figure 1. Human CCR6 Protein, mFc Tag on SDS-PAGE under reducing condition.