

**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.