

## HUMAN CCR7 PROTEIN, HFC TAG

**Cat.#:** 11606

**Product Name:** Human CCR7 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** BLR2;CC-CKR-7;CCR-7;CD197;CDw197;CMKBR7;EBI1

**Target:** CCR7

**UNIPROT ID:** P32248

**Description:** Recombinant Human CCR7 with C-terminal human Fc tag

**Background:** The protein encoded by this gene is a member of the G protein-coupled receptor family. This receptor was identified as a gene induced by the Epstein-Barr virus (EBV), and is thought to be a mediator of EBV effects on B lymphocytes. This receptor is expressed in various lymphoid tissues and activates B and T lymphocytes. It has been shown to control the migration of memory T cells to inflamed tissues, as well as stimulate dendritic cell maturation. The chemokine (C-C motif) ligand 19 (CCL19/ECL) has been reported to be a specific ligand of this receptor. Signals mediated by this receptor regulate T cell homeostasis in lymph nodes, and may also function in the activation and polarization of T cells, and in chronic inflammation pathogenesis. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Sep 2014]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 30.2 kDa after removal of the signal peptide. The apparent molecular mass of CCR7-hFc is approximately 35-55 kDa due to glycosylation.

**Molecular Characterization:** CCR7(Glu25-Trp59) hFc(Glu99-Ala330)

**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.

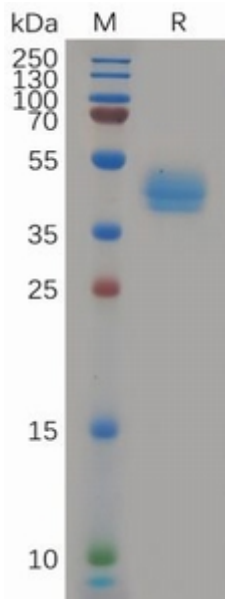


Figure 1. Human CCR7 Protein, hFc Tag on SDS-PAGE under reducing condition.