

Recombinant Human CCR9 Protein, C-hFc-tagged

Cat. No. CCR9-04H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human CCR9 Protein with C-hFc tag was expressed in HEK293.

Species Human

Source HEK293

Description

The protein encoded by this gene is a G protein-coupled receptor with seven transmembrane domains that belongs to the beta chemokine receptor family. Chemokines and their receptors are key regulators of thymocyte migration and maturation in normal and inflammation conditions. This gene is differentially expressed in T lymphocytes of the small intestine and colon, and its interaction with chemokine 25 contributes to intestinal intra-epithelial lymphocyte homing to the small intestine. This suggests a role for this gene in directing immune responses to different segments of the gastrointestinal tract. This gene and its exclusive ligand, chemokine 25, are overexpressed in a variety of malignant tumors and are closely associated with tumor proliferation, apoptosis, invasion, migration and drug resistance. This gene maps to the chemokine receptor gene cluster. Multiple transcript variants encoding different isoforms have been found for this gene.

Molecular Mass The protein has a predicted molecular mass of 31.6 kDa after removal of the signal peptide. The apparent molecular mass of CCR9-hFc is approximately 35-55 kDa due to glycosylation.

Purity > 95% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	12 months from date of despatch.
Storage	Store at -20 centigrade to -80 centigrade for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 centigrade (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Storage Buffer	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

GENE INFORMATION

Gene Name	CCR9 chemokine (C-C motif) receptor 9 [Homo sapiens (human)]
Official Symbol	CCR9
Synonyms	CCR9; chemokine (C-C motif) receptor 9; GPR28; C-C chemokine receptor type 9; CDw199; GPR 9 6; G protein-coupled receptor 28; GPR-9-6; CC-CKR-9;
Gene ID	10803
mRNA Refseq	NM_001256369
Protein Refseq	NP_001243298
MIM	604738
UniProt ID	P51686

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