

## Recombinant Human CCR9 Protein, His tagged, Biotinylated

Cat. No. CCR9-3960H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Biotinylated recombinant human CCR9 protein with His tag was expressed in E. coli.

**Species** Human

**Source** E.coli

**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.

**Conjugation/Label** Biotin

**Form** Liquid

**Purity** > 85% by SDS-PAGE

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<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	0.05 mg/mL by BCA
<b>Storage Buffer</b>	Sterile PBS, pH7.4, 15% Glycerol
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	CCR9 C-C motif chemokine receptor 9 [ Homo sapiens (human) ]
<b>Official Symbol</b>	CCR9
<b>Synonyms</b>	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
<b>Gene ID</b>	10803
<b>mRNA Refseq</b>	NM_001256369
<b>Protein Refseq</b>	NP_001243298
<b>MIM</b>	604738
<b>UniProt ID</b>	P51686

**Reducing 12% SDS-PAGE (CBB stained) analysis profile of purified CCR9.**

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