Nanodisc Human CCR9-Strep Protein

HDFP802

Product Information

Product SKU:	HDFP802	**Expression Host**:	HEK293	**Size**:	10µg
Target:	CCR9	**Tag**:	C-Flag&Strep Tag		

Additional Information

Conjugate:	Unconjugated	**Uniprot ID:**	P51686
Molecular Weight:	The human full length CCR9-Strep protein has a MW of 42 kDa		

Protein Information

Background: The protein 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.

Synonyms: CC-CKR-9; CDw199; GPR-9-6; GPR28

Protein Description: Human CCR9-Strep full length protein-synthetic nanodisc

Formulation: 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. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.

Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction.

Contact Details | Dublin, Ireland
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Protein Families:	Druggable Genome, GPCR, Transmembrane.
Usage:	Research use only
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.

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