

# Recombinant Full Length Human CCR9 Protein

**Cat. No.** CCR9-3032HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Human CCR9 full-length ORF (NP_112477.1) recombinant protein without tag.  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | In Vitro Cell Free System  |
| <b>ProteinLength</b>    | 726 amino acids  |
| <b>Description</b>      | <p>The protein encoded by this gene is a member of the beta chemokine receptor family. It is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. Chemokines and their receptors are key regulators of the thymocytes migration and maturation in normal and inflammation conditions. The specific ligand of this receptor is CCL25. It has been found that this gene is differentially expressed by T lymphocytes of small intestine and colon, suggested a role in the thymocytes recruitment and development that may permit functional specialization of immune responses in different segment of the gastrointestinal tract. This gene is mapped to the chemokine receptor gene cluster region. Two alternatively spliced transcript variants have been described. Multiple transcript variants encoding different isoforms have been found for this gene.</p> |
| <b>Form</b>             | Liquid   |
| <b>Molecular Mass</b>   | 42 kDa   |
| <b>AA Sequence</b>      | MTPTDFTSPIPNMADDYGSESTSSMEDYVNFNFTDFYCEKNNVRQFASHFLPPLYW   |

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LVFIVGALGNSLVILVYWYCTRVKTMMDMFLLNLAADLLFLVTLPFWAIAAADQWKF  
 QTFMCKVVNSMYKMNFYSCVLLIMCISVDRYIAIAQAMRAHTWREKRLLYSKMVCFT  
 IWVLAALCIPEILYSQIKEESGIAICTMVYPSDESTKLKSAVLTALKVILGFFLPFVVMAC  
 CYTIIHTLIQAKKSSKHKALKVTITVLTVFVLSQFPYNCILLVQTIDAYAMFISNCAVSTN  
 IDICFQVTQTIAFFHSCLNPNVLYVFGFRRLDLVKTLKKNLGCISQAQWVSFTRREGS  
 LKLSSMLLETTSGALSL

|                       |  |
|-----------------------|--|
| <b>Applications</b>   | Antibody Production<br>Functional Study<br>Compound Screening            |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.                          |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | CCR9 chemokine (C-C motif) receptor 9 [ Homo sapiens ]   |
| <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   |

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UniProt ID

P51686

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