

# Recombinant Full Length Human CCR2 Protein

**Cat. No.** CCR2-1735HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full-length Human CCR2 was expressed in Wheat Germ.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 374 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | <p>This gene encodes two isoforms of a receptor for monocyte chemoattractant protein-1, a chemokine which specifically mediates monocyte chemotaxis. Monocyte chemoattractant protein-1 is involved in monocyte infiltration in inflammatory diseases such as rheumatoid arthritis as well as in the inflammatory response against tumors. The receptors encoded by this gene mediate agonist-dependent calcium mobilization and inhibition of adenylyl cyclase. This gene is located in the chemokine receptor gene cluster region. Two alternatively spliced transcript variants are expressed by the gene.</p> |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 41.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFV<br>GNMLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWWVFGNAMCKLFTG<br>LYHIGYFGGIIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLVAVFASVPGIIFTK<br>CQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVLPLLIMVICYSGILKTLLRCRNEKKR                                                                                                                                                                                                                                                                                                                                                      |

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HRAVRVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCESTSQLDQATQVTETLGMTH  
CCINPIIYAFVGEKFRSLFHIALGCRIAPLQKPVCGGPGVVRPGKNVKVTTQGLLDGRG  
KGKSIGRAPEASLQDKEGA

**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
Antibody Production; Protein Array

**Notes**

Best use within three months from the date of receipt of this protein. Heating may  
cause protein aggregation. Please do not heat this product before electrophoresis.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name**

CCR2 C-C motif chemokine receptor 2 [ Homo sapiens ]

**Official Symbol**

CCR2

**Synonyms**

CCR2; chemokine (C-C motif) receptor 2; CMKBR2; CC CKR 2; CD192; CKR2;  
FLJ78302; MCP 1 R; CCR2A; CCR2B; CKR2A; CKR2B; MCP-1-R; CC-CKR-2

**Gene ID**

729230

**mRNA Refseq**

NM\_001123041

**Protein Refseq**

NP\_001116513

**MIM**

601267

**UniProt ID**

P41597

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