Bioactive

# CCL13 (Human) Recombinant Protein

Catalog # P9519 Size 2 x 10 ug

## Specification

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|---|---|
| **Product Description** | Human CCL13 (Q99616, 24 a.a. - 98 a.a.) partial recombinant protein expressed in *Escherichia coli* . |
| **Sequence** | QPDALNVPSTCCFTFSSKKISLQRLKSYVITTSRCPQKAVIFRTKLGKEICADPKEKWVQNYMKHL GRKAHTLKT |
| **Host** | Escherichia coli |
| **Theoretical MW (kDa)** | 8.6 |
| **Form** | Lyophilized |
| **Preparation Method** | *Escherichia coli* expression system |
| **Purity** | > 96.0% by SDS-PAGE |
| **Activity** | The specific activity as determined by the ability of MCP-4 to chemoattract human monocytes at 10 - 100 ng/mL, corresponding to a specific activity of 10000 - 100000 units/mg. |
| **Recommend Usage** | Biological Activity<br>SDS-PAGE<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | Lyophilized from sterile distilled Water is > 100 ug/mL |
| **Storage Instruction** | Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Functional Study
- SDS-PAGE

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## Gene Info — CCL13

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|---|---|
| **Entrez GeneID** | 6357 |
| **Protein Accession#** | Q99616 |
| **Gene Name** | CCL13 |
| **Gene Alias** | CKb10, MCP-4, MGC17134, NCC-1, NCC1, SCYA13, SCYL1 |
| **Gene Description** | chemokine (C-C motif) ligand 13 |
| **Omim ID** | 601391 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene is one of several Cys-Cys (CC) cytokine genes clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory pr ocesses. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine e ncoded by this gene displays chemotactic activity for monocytes, lymphocytes, basophils and eos inophils, but not neutrophils. This chemokine plays a role in accumulation of leukocytes during infla mmation. It may also be involved in the recruitment of monocytes into the arterial wall during arther osclerosis. [provided by RefSeq |
| **Other Designations** | CK-beta-10\|monocyte chemoattractant protein 4\|monocyte chemotactic protein 4\|new CC chemo kine 1\|small inducible cytokine A13\|small inducible cytokine subfamily A (Cys-Cys), member 13 |

## Pathway

- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction

## Disease

- Arthritis
- Asthma
- Birth Weight
- Bronchiolitis
- Encephalomyelitis
- Genetic Predisposition to Disease

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- Glioblastoma
- Glioma
- HIV Infections
- Infant
- Leukemia
- Meningeal Neoplasms
- Meningioma
- Multiple Sclerosis
- Ovarian Neoplasms
- Respiratory Syncytial Virus Infections

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