Bioactive Full-Length

# CCL13 (Human) Recombinant Protein

Catalog # P3648 Size 25 ug

## Specification

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|---|---|
| **Product Description** | Human CCL13 (Q99616, 1 a.a. - 98 a.a.) full-length recombinant protein. expressed in *Escherichia coli*. |
| **Sequence** | MKVSAVLLCLLLMTAAFNPQGLAQPDALNVPSTCCFTFSSKKISLQRLKSYVITTSRCPQKAVIFRT KLGKEICADPKEKWVQNYMKHLGRKAHTLKT |
| **Host** | Escherichia coli |
| **Theoretical MW (kDa)** | 9 |
| **Form** | Lyophilized |
| **Preparation Method** | *Escherichia coli* expression system |
| **Purification** | Ion exchange column and HPLC reverse phase column |
| **Purity** | > 90% by SDS-PAGE and HPLC |
| **Endotoxin Level** | < 0.1 ng/ug (1 EU/ug) |
| **Activity** | Determined by the ability to chemoattract human monocytes using a concentration range of 20.0-40. 0 ng/mL. |
| **Storage Buffer** | Lyophilized from 20 mM PB, 100mM NaCl, pH 7.5 |
| **Storage Instruction** | Store at -20°C on dry atmosphere for 2 years.<br>After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months.<br>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

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

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