

## CCL13 Protein, Human, Recombinant

### General Information

Synonyms:	MCP4;CCL13;SCYA13;Monocyte chemotactic protein 4 (MCP-4);C-C motif chemokine 13;Small-inducible cytokine A13;NCC1;NCC-1;Monocyte chemoattractant protein 4;CK-beta-10
Protein Construction:	24-98 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q99616
Molecular Weight:	8.6 kDa (Predicted)
AA Sequence:	QPDALNVPSTCCFTFSSKKISLQRLKSYVITTSRCPQKAVIFRTKLGKEICADPKEKWVQNYMKHLGRKAHTLK T

### QC Testing

Biological Activity:	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human monocytes is in a concentration of 10-100 ng/ml.
Purity:	>96% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 µm filtered PBS, pH 7.4

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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