



# Recombinant Protein Technical Manual

## Recombinant Human CCL8/MCP-2 Protein

RPES3790

### Product Data:

**Product SKU:** RPES3790

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** P80075

### Protein Information:

**Molecular Mass:** 8.9 kDa

**AP Molecular Mass:** 12 kDa

**Tag:**

**Bio-activity:**

**Purity:** > 95% as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** C-C Motif Chemokine 8; HC14; Monocyte Chemoattractant Protein 2; Monocyte Chemotactic Protein 2; MCP-2; Small-Inducible Cytokine A8; CCL8; MCP2; SCYA10; SCYA8;HC14

## Immunogen Information:

**Sequence:** Gln24-Pro99

## Background:

Human Chemokine (C-C Motif) Ligand 8 (CCL8) is produced by human MG63 osteosarcoma cells. CCL8 shares 62% and 58% amino acid sequence identity with MCP and MCP-3, respectively. All three MCP proteins are monocyte chemoattractants. CCL8 is chemotactic for and activates many different immune cells, including mast cells, eosinophils and basophils, which are implicated in allergic response, and monocytes, T cells, and NK cells that are involved in the inflammatory response. CCL8 elicits its effects by binding to several different cell surface receptors including CCR1, CCR2B and CCR5.