

MCP-2/CCL8, Human, Recombinant

Cat. No. : PCK115

General Information

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
Species	Human
Expression host	E.coli
Sequence	Gln24-Pro99
Accession	P80075
Mol mass	8.9 kDa
Expiration date	12 months

Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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-1 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.

SDS-PAGE