



*Recombinant Mouse MCP-2 / CCL8*  
(Monocyte Chemotactic Protein-2)

*Catalog Number: 200-63*  
*Accession Number: Q9Z121*

*Specifications and Uses:*

**Alternate Names:** CCL8, HC14

**Description:**

Monocyte Chemotactic protein 2 (MCP-2), also known as CCL8, is implicated in allergic responses through its ability to activate mast cells, eosinophils, and basophils. MCP-2 is known to signal through several G protein-coupled receptors including, CCR1, CCR2B, and CCR5. Recombinant mouse MCP-2 is a non-glycosylated protein, containing 74 amino acids, with a molecular weight of 8.5 kDa.

**Source:** *E.coli*

**Physical Appearance:** Sterile filtered white lyophilized (freeze-dried) powder.

**Formulation and Stability:**

Recombinant mouse MCP-2 is lyophilized with no additives.

Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

**Reconstitution:**

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

**Protein Content and Purity (typically ≥ 98%) determined by:**

HPLC, Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm

**Endotoxin Level:**

Measured by kinetic LAL analysis and is typically ≤ 1 EU/μg protein.

**Biological Activity:**

The activity is determined by its ability to chemoattract human PBMCs or THP-1 cells at 10-100 ng/mL.

**AA Sequence:**

GPDKAPVTCC FHVLKLIPL RVLKSYERIN NIQCPMEAVV FQTKQGMSLC VDPTQKWVSE YMEILDQKSQ ILQP

**THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT FOR USE IN HUMANS!**

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