

**Product:** **Recombinant Mouse MCP-2 (CCL8)**  
**Cat #: 300-337P**  
Powder

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. Alternate names: CCL8, HC14
MW	Non-glycosylated protein, containing 74 amino acids, with a molecular weight of 8.5 kDa.
Physical Appearance	Sterile filtered white lyophilized (freeze-dried) powder.
Source	<i>E. coli</i>
Formulation	Recombinant mouse MCP-2 is lyophilized with no additives.
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.
Stability	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.
Biological Activity	The activity is determined by its ability to chemoattract human PBMCs or THP-1 cells at 10-100 ng/mL.
Endotoxin Level	Measured by kinetic LAL analysis and is typically $\leq 1$ EU/ $\mu$ g protein.
AA Sequence	GPDKAPVTCC FHV LK LKIPL RVLKSYERIN NIQCPMEAVV FQTKQGMSLC VDPTQKWVSE YMEILDQKSQ ILQP

Purity greater than 98% determined by HPLC, Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm.

Protein content determined by HPLC, Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm.

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