# Recombinant Mouse MCP-5 (CCL12)

**Cat No:HR2R2195**

For research use only

## Overview

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|---|---|
| Quantity | 1.0 ?g |
| Gene Symbol | CCL12 |
| Gene ID | 20293 |
| Accession | Q62401 |
| Alternative Name | MCP-1-related chemokine, Monocyte chemotactic protein 5, MCP5, Small-inducible cytokine A12, C-C motif chemokine 12, Mcp5, Scya12 <br/>Recombinant Mouse Monocyte Chemoattractant Protein-5 (CCL12) |
| Species | Mouse |
| Source | E. coli |
| Description | MCP-5 (CCL12) is a chemotactic factor that attracts eosinophils, monocytes, and lymphocytes but not neutrophils. It is also a potent active monocyte chemokine that signals through CCR2. It is Involved in allergic inflammation and the host response to pathogens. Also, it may play a pivotal role during early stages of allergic lung inflammation. |
| Functions | Determined by its ability to chemoattract human monocytes using a concentration range of 20-40 ng/mL. |
| Formulation | Recombinant MCP-5 was lyophilized from a 0.2 ?m filtered 20 mM PB solution pH 7.5, 100 mM NaCl. |
| Solubility | A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers. |
| Appearance | Lyophilized Powder |
| Molecular Weight | 10 |
| Purity | >95% as determined by SDS-PAGE |
| Concentration | <1.0 EU/?g of recombinant protein as determined by the LAL method. |
| Shipping Condition | Ambient Temperature |
| Storage Condition | The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles. |