

## Recombinant Mouse MCP-5 (CCL12)

Cat No:HR2R2196

For research use only

### Overview

|                    |                                                                                                                                                                                                                                                                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity           | 100 ?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.                                         |