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# 32-12236: Human Monocyte Chemotactic Protein-4 (CCL13)

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| **Gene :** | CCL13 |
| **Gene ID :** | 6357 |
| **Uniprot ID :** | Q99616 |
| **Alternative Name :** | C-C motif chemokine 13, CK-beta-10, Monocyte chemoattractant protein 4, Monocyte chemotactic protein 4, Small-inducible cytokine A13, MCP-4 |

## Description

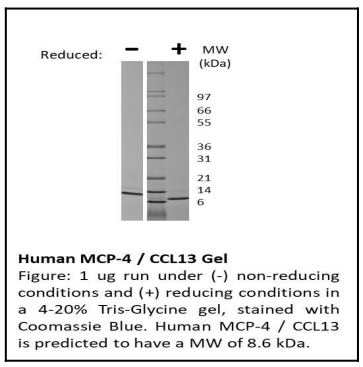
**Source:** Genetically modified E.coli.
**Predicted MW:**Â Monomer, 8.6 kDa (75 aa)
Monocyte chemotactic protein 4 (MCP-4), also called CCL13, is induced by inflammatory proteins such as interleukin 1 (IL-1) and tumor necrosis factor alpha (TNF-alpha). MCP-4 is a ligand for the G protein coupled chemokine receptors CCR2, CCR3, and CCR5. MCP-4 activates signaling in monocytes, T lymphocytes, eosinophils, and basophils during inflammation and allergic responses.

## Product Info

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| **Amount :** | 20 µg / 100 µg |
| **Purification :** | Reducing and Non-Reducing SDS PAGE at >= 95% |
| **Content :** | Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)<br>Sterile water at 0.1 mg/mL |
| **Storage condition :** | Store at -20°C |
| **Amino Acid :** | QPDALNVPST CCFTFSSKKI SLQRLKSYVI TTSRCPQKAV IFRTKLGKEI CADPKEKWVQ NYMKHLGRKA HTLKT |

## Application Note

**Endotoxin:** Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.
Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80ÃÂ°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss. ÃÂ ÃÂ




**Human MCP-4 / CCL13 Gel**
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human MCP-4 / CCL13 is predicted to have a MW of 8.6 kDa.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***