

Human MIP 4 Recombinant Protein



RPPB1228

Product Information Protein Information

Product SKU:

RPPB1228

Accession:

P55774

Host:

Escherichia Coli.

Protein description:

Macrophage Inflammatory Protein-4 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 69 amino acids and having a molecular mass of 7813 Dalton. The MIP-4 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Small inducible cytokine A18, CCL18, Macrophage inflammatory protein 4, MIP-4, Pulmonary and activation-regulated chemokine, CC chemokine PARC, Alternative macrophage activation-associated CC chemokine 1, AMAC-1, Dendritic cell chemokine 1, DC-CK1, chemokine (C-C motif) ligand 18, CKb7, PARC, AMAC1, DCCCK1, SCYA18.

Formulation:

MIP-4 protein is lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in 20mM PB, pH 7.4, 100mM NaCl.

Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized MIP-4 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized MIP-4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MIP-4 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

The sequence of the first five N-terminal amino acids of MIP-4 was determined and found to be Ala-Gln-Val-Gly-Thr.

Biological Activity:

The Activity MIP-4 is calculated by the ability to chemoattract Human T lymphocytes at 1-10ng/ml corresponding to a Specific Activity of 100,000-1,000,000IU/mg.