



Recombinant Human MIP-4 / CCL18
(Macrophage Inflammatory Protein-4)

Catalog Number: 100-136

Accession Number: P55774

Specifications and Uses:

Alternate Names: CCL18, PARC, AMAC-1, DC-CK1

Description:

Macrophage Inflammatory Protein-4 (MIP-4), also called CCL18, is a chemokine expressed in the lymph nodes, lungs, placenta and bone marrow. Although the MIP-4's receptor remains undetermined, MIP-4 is known to act as a chemoattractant for activated and non-activated T cells. Recombinant human MIP-4 is a non-glycosylated protein, containing 69 amino acids, with a molecular weight of 7.8 kDa.

Source: *E.coli*

Physical Appearance: Sterile filtered white lyophilized (freeze-dried) powder.

Formulation and Stability:

Recombinant human MIP-4 is lyophilized with no additives.

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.

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.

Protein Content and Purity (typically ≥ 98%) determined by:

HPLC, Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm

Endotoxin Level:

Measured by kinetic LAL analysis and is typically ≤ 1 EU/μg protein.

Biological Activity:

The activity is determined by the ability to chemoattract human primary T cells or PBMCs and is typically 1.0-8.0 ng/mL.

AA Sequence:

AQVGTNKELC CLVYTSWQIP QKFLVDYSET SPQCPKPGVI LLTKRGRQIC ADPNKKWVQK YISDLKLNA

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

Gentaur Molecular Products
Voortstraat 49
1910 Kampenhout, Belgium