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MIP 1a Human, His

Macrophage Inflammatory Protein-1 Alpha Human Recombinant (CCL3), His Tag
CHK0122

Product Overview

Name	MIP 1a Human, His

Description

Macrophage Inflammatory Protein-1 Alpha Human Recombinant (CCL3), His Tag

Accession (Primary)	P10147

Synonyms

Small inducible cytokine A3, CCL3, Macrophage inflammatory protein 1-alpha, MIP-1-alpha, Tonsillar lymphocyte LD78 alpha protein, G0/G1 switch regulatory protein 19-1, G0S19-1 protein, SIS-beta, PAT 464.1, chemokine (C-C motif) ligand 3, MIP1A, SCYA3, G0S19-1, LD78ALPHA.

Introduction

Macrophage Inflammatory Proteins (MIP) belong to the family of chemotactic cytokines known as chemokines. In humans, there are two major forms, MIP-1a and MIP-1b that are now officially named CCL3 and CCL4 respectively. Both are major factors produced by macrophages after they are stimulated with bacterial endotoxins. They activate human granulocytes (neutrophils, eosinophils and basophils) which can lead to acute neutrophilic inflammation. They also induce the synthesis and release of other pro-inflammatory cytokines such as interleukin 1 (IL-1), IL-6 and TNF-a from fibroblasts and macrophages. The genes for CCL3 and CCL4 are both located on human chromosome 17.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

MIP-1a protein solution (0.25mg/ml) containing 10mM Sodium Citrate buffer (pH 3.5) and 20% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH M SLAADTPTA CCFSYTSRQI PQNFIADYFE TSSQCSKPGV

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IFLTKRSRQVCADPSEEWVQ KYVSDLELSA.

Precautions

MIP 1a Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P10147)