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MIP 3a Human, His

Macrophage Inflammatory protein-3 alpha (CCL20) Human Recombinant, His Tag
CHK0131

Product Overview

Name	MIP 3a Human, His

Description

Macrophage Inflammatory protein-3 alpha (CCL20) Human Recombinant, His Tag

Accession (Primary)	P78556

Synonyms

S Small inducible cytokine A20 precursor, CCL20, Macrophage inflammatory protein 3 alpha, MIP-3-alpha, Liver and activation- regulated chemokine, CC chemokine LARC, Beta chemokine exodus-1, CKb4, LARC, ST38, MIP3A, MIP-3a, SCYA20.

Introduction

CCL-20 is a chemotactic factor that draws lymphocytes & neutrophils, rathar than monocytes. MIP-3 alpha inhibits proliferation of myeloid progenitors in colony formation assays. MIP3A plays a role in the formation and function of the mucosal lymphoid tissues by attracting lymphocytes and dendritic cells towards epithelial cells. C-terminal processed forms have been shown to be equally chemotactically active for leukocytes. CCL-20 holdes antibacterial activity e.coli atcc 25922 and s.aureus atcc 29213. CCL-20 gene transcription is activated by H. pylori, which activates NF-kappaB through intracellular signal pathway which involves IkappaB kinase and NF-kappaB-inducing kinase. MIP-3 alpha is invloved in chemokine-mediated lymphocyte trafficking during gastric inflammation in Helicobacter infection. CCL-20 expression is involved in the recruitment of CD45R0-positive T cell subsets into the intestinal lamina propria. MIP-3A is in charge of the advancement of pulpal inflammation through the recruitment of C-C motif Receptor 6-expressing lymphocytes Vaginal epithelial cells respond to factors present in semen by secreting MIP-3 alpha, which increases langerhans cells recruitment during HIV transmission.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The MIP 3a solution (0.25 mg/ml) contains Phosphate Buffered Saline pH7.4 and 10% 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

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storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH M ASNFDCCLG YTDRILHPKF IVGFTRQLAN EGCDINAIIF HTKKKLSVCA NPKQTWVKYI VRLLSKKVKN M.

Precautions

MIP 3a Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P78556)