

Recombinant human CCL20/MIP-3 alpha protein

Catalog Number: ATGP0917

PRODUCT INFORMATION

Expression system

E.coli

Domain

27-96aa

UniProt No.

P78556

NCBI Accession No.

NP_004582

Alternative Names

C-C motif chemokine ligand 20, Beta-chemokine exodus-1, CC chemokine LARC, Liver and activation-regulated chemokine, Macrophage inflammatory protein 3 alpha, MIP-3-alpha, MIP-3a, Small-inducible cytokine A20, SCYA20, ST38, CKb4

PRODUCT SPECIFICATION

Molecular Weight

10.3 kDa (91aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CCL20, also known as Macrophage Inflammatory Protein-3 (MIP3A), is a small cytokine belonging to the CC chemokine family. CCL20 protein is strongly chemotactic for lymphocytes and weakly attracts neutrophils. It is

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implicated in the formation and function of mucosal lymphoid tissues via chemoattraction of lymphocytes and dendritic cells towards the epithelial cells surrounding these tissues. Recombinant human CCL20 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MASNFDCCLG YTDRILHPKF IVGFTRQLAN EGCDINAIIF HTKKKLSVCA NPKQTWVKYI
VRLLSKKVKN M

General References

Hieshima K, et al. (1997) J Biol Chem. 272:5846-53.
Schutyser E, et al. (2000) J. Immunol. 165:4470-7.

DATA

SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

