

Recombinant human CCL18/MIP-4 protein

Catalog Number: ATGP0853

PRODUCT INFORMATION

Expression system

E.coli

Domain

22-89aa

UniProt No.

P55774

NCBI Accession No.

NP_002979

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

10.4 kDa (93aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by BCA assay)

Formulation

Liquid in. 10mM Sodium Citrate buffer (pH 3.5) containing 10% glycerol

Purity

> 95% 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

CCL18, also known as chemokine (C-C motif) ligand 18, a chemotactic factor that attracts lymphocytes but not monocytes or granulocytes may be involved in B cell migration into B cell follicles in lymph nodes. It attracts

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naive T lymphocytes toward dendritic cells and activated macrophages in lymph nodes, has chemotactic activity for naive T cells, CD4+ and CD8+ T cells and thus may play a role in both humoral and cell-mediated immunity responses. Recombinant human CCL18 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

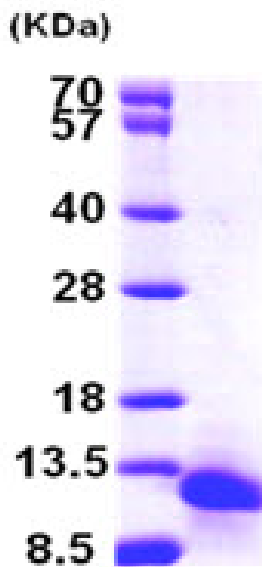
MGSSHHHHHH SGLVPRGSH MGSHMQVGTN KELCCLVYTS WQIPQKFIVD YSETSPQCPK PGVILLTKRG RQICADPNKK
WVQKYISDLK LNA

General References

Lukina E., et al. (2010) Blood. 116(6):893-9.
Kato A., et al. (2009) J Immunol. 182(11):7233-43.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)