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Recombinant human CCL22/MDC protein

Catalog Number: ATGP0397

PRODUCT INFORMATION

Expression system

E.coli

Domain

25-93aa

UniProt No.

000626

NCBI Accession No.

NP 002981

Alternative Names

C-C motif chemokine ligand 22, CC chemokine STCP-1, MDC 1-69, Macrophage-derived chemokine, MDC, Small-inducible cytokine A22, SCYA22, Stimulated T-cell chemotactic protein 1, ABCD-1, DC/B-CK, A-152E5.1

PRODUCT SPECIFICATION

Molecular Weight

10.3 kDa (90aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) 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

CCL22/MDC is a small cytokine belonging to the CC chemokine family. This protien displays chemotactic activity for natural killer cells, chronically activated T lymphocytes, monocytes and dendritic cells. It interacts with cell surface chemokine receptors CCR4. This chemokine may play a role in the trafficking of activated T lymphocytes



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to inflammatory sites and other aspects of activated T lymphocyte physiology. Recombinant human CCL22/MDC, fused to His-tag at N-terminus, was expressed as insoluble protein aggregate in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

Amino acid Sequence

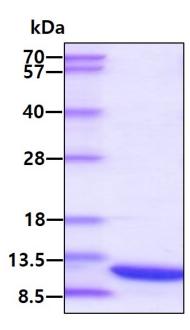
MGSSHHHHHH SSGLVPRGSH MGPYGANMED SVCCRDYVRY RLPLRVVKHF YWTSDSCPRP GVVLLTFRDK EICADPRVPW VKMILNKLSO

General References

Wang G., et al. (2009). Cancer. 115(11):2430-7 Silvano Sozzani., et al. (2000). Journal of Leukocyte Biology. 68:400-404

DATA

SDS-PAGE



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

