

Product Information

Recombinant human CCL3/MIP-1 alpha protein

Catalog Number: IBATGP1019



PRODUCT INFORMATION

Expression system

E.coli

Domain

24-92aa

UniProt No.

P10147

NCBI Accession No.

NP_002974.1

Alternative Names

C-C motif chemokine 3, G0S19-1, LD78ALPHA. MIP-1-alpha. MIP1A. SCYA3

PRODUCT SPECIFICATION

Molecular Weight

10 kDa (90aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 10mM Sodium Citrate buffer (pH 3.5) containing 20% glycerol

Purity

> 90% 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

CCL3, also known as, macrophage inflammatory protein-1alpha (MIP-1alpha), is a cytokine belonging to the CC chemokine family that is involved in the acute inflammatory state in the recruitment and activation of polymorphonuclear leukocytes. This protein has been identified as one of the major HIV-SFs produced by CD8+ T cells, along with MIP-1beta and RANTES. It acts as an inhibitor of different strains of HIV-1, HIV-2 and SIV

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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infection in a dose-dependent manner. Recombinant human CCL3 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 M>SLAADTPTA CCFSYTSRQI PQNFIADYFE TSSQCSKPGV IFLTKRSRQV
CADPSEEWVQ KYVSDLELSA

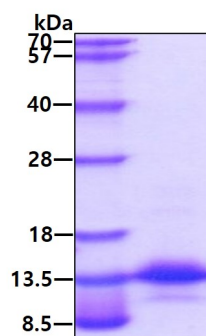
General References

Guan E, et al. (2001) J Biol Chem. 276:12404-9

Cocchi F., et al. (1995) Science. 270:1811-5.

DATA

SDS-PAGE



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

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