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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

Macrophage Inflammatory protein-5 (CCL15), 68 amino acids, human recombinant (rHuMIP5-68aa)

Catalog No: 97623
Lot No: XXXXX
Source: *E. coli*
Synonyms: Small inducible cytokine A15 precursor, CCL15, Macrophage inflammatory protein 5, MIP-5, MIP5, Chemokine CC-2, HCC-2, NCC-3, MIP- 1 delta, Leukotactin-1, LKN-1, Mrp-2b, C-C motif chemokine 15

Background

CCL15, a new human CC chemokine, was isolated from a human fetal spleen cDNA library. CCL15 cDNA encodes a predicted 113 amino acid (aa) protein containing a putative signal peptide of 21 amino acids that is cleaved to generate a 92 aa residue mature protein. Within the CC family members, human CCL15 shares 45%, 44%, 35%, and 30% aa homology with mouse C10, human MPIF-1, human HCC-1, and mouse MIP-1delta, respectively. The gene for MIP-5 is found on chromosome 17 where the genes for most of the human CC chemokines are located. Human CCL15 is expressed in T and B lymphocytes, NK cells, monocytes and monocyte-derived dendritic cells. Human MIP-5 is chemotactic for T cells and monocytes and has been shown to induce calcium flux in human CCR-1-transfected cells.

Description

Macrophage Inflammatory Protein-5 Human Recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 68 amino acids and having a molecular mass of 7.4 kDa. MIP5 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

MIP5 was lyophilized from a 0.2 µm filtered concentrated solution containing PBS, pH 7.4.

Solubility

It is recommended to reconstitute the lyophilized MIP5 in sterile 18 MΩ-cm H_2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability

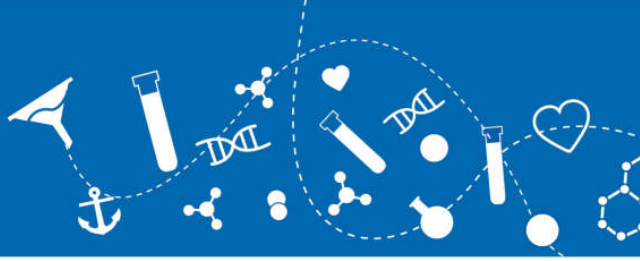
Lyophilized MIP-5 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL15 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 97.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

Amino Acid Sequence

SFHFAADCCT SYISQSIPCS LMKSYFETSS ECSKPGVIFL TKKGRQVCAK PSGPGVQDCM KKLKPYSI



Activity

Measured by its ability to chemoattract THP-1 human acute monocytic leukemia cells. The ED50 for this effect is typically 2-4 ng/ml.

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.