

MIP-3 Human E. coli

Product Data Sheet

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| Type: Recombinant | Cat. No.: | |
| Source: E. coli | RBG10226005 | (5 µg) |
| Species: Human | RBG10226020 | (20 µg) |
| Other names: Macrophage Inflammatory Protein-3, CCL23, MPIF-1, Ck-beta8 | RBG10226100 | (100 µg) |

Description

MIP-3 is a CC chemokine that signals through the CCR1 receptor. MIP-3 chemoattracts monocytes, resting T-lymphocytes, and neutrophils, but does not chemoattract activated lymphocytes. Additionally, MIP-3 has been shown to inhibit colony formation of bone marrow myeloid immature progenitors. Recombinant Human MIP-3 is an 11.3 kDa protein containing 99 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.

Research topic

Chemokines, Cytokines and chemokines and related molecules

Amino Acid Sequence

RVTKDAETEF MMSKLPLENP VLLDRFHATS ADCCISYTPR SIPCSLLESY FETNSECKP GVIFLTKKGR RFCANPSDKQ
VQVCMRMLKL DTRIKTRKN

Source

E. coli

Purity

98%

Biological Activity

Determined by its ability to chemoattract human T cell population using a concentration of 10-50 ng/ml.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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