

Human MIP 5 Recombinant Protein



RPPB1230

Product Information Protein Information

Product SKU:

RPPB1230

Accession:

Q16663

Host:

Escherichia Coli.

Protein description:

Macrophage Inflammatory Protein-5 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 92 amino acids and having a molecular mass of 10.1 kDa. The MIP5 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

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.

Formulation:

MIP5 was lyophilized from a concentrated (1mg/ml) solution containing 20mM PBS pH-7.4 and 100mM NaCl.

Purity:

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

Solubility:

It is recommended to reconstitute the lyophilized MIP5 in sterile 18MΩ-cm H₂O not less than 100µg/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.

Amino Acid Sequence:

QFINDAETELMMSKLPLENPVVLNSFHFAADCCTSYISQSI PCSLMKSYFETSSECSKP
GVIFLTKKGRQVCAKPSGPGVQDCMKKLKPYSI.

Biological Activity:

Determined by its ability to chemoattract human T-lymphocytes using a concentration range of 1-10 ng/ml corresponding to a Specific Activity of 100,000-1,000,000IU/mg.