

# Human MIP 3a Recombinant Protein



RPPB1225

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## Product Information    Protein Information

**Product SKU:**

RPPB1225

**Accession:**

P78556

**Host:**

Escherichia Coli.

**Protein description:**

MIP-3 Alpha Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 70 amino acids and having a molecular mass of 8 kDa. The MIP-3a is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

S Small inducible cytokine A20 precursor, CCL20, Macrophage inflammatory protein 3 alpha, MIP-3-alpha, Liver and activation- regulated chemokine, CC chemokine LARC, Beta chemokine exodus-1, CKb4, LARC, ST38, MIP3A, MIP-3a, SCYA20.

**Formulation:**

Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4, 150mM 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 MIP-3 Alpha in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized MIP-3a although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL20 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:**

ASNFDCCCLGY TDRILHPKFI VGFTRLANE GCDINAIIFH TTKKLSVCAN PKQTWVKYIV RLLSKKVKNM.

**Biological Activity:**

Determined by its ability to chemoattract human T lymphocytes using a concentration range of 10.0 - 50.0 ng/ml, corresponding to a specific activity of 20,000-100,000units/mg.