

RPPB1200

Product Information Protein Information

Product SKU:

RPPB1200

Accession:

O00626

Host:

Escherichia Coli.

Protein description:

MDC Human Recombinant produced in E.Coli is a non-glycosylated, Polypeptide chain containing 69 amino acids and having a molecular mass of 8.1 kDa. The MDC is purified by proprietary chromatographic techniques.

Appearance:

Filtered White lyophilized (freeze-dried) powder.

Synonyms:

C-C motif chemokine 22, Small-inducible cytokine A22, Macrophage-derived chemokine, MDC(1-69), Stimulated T-cell chemotactic protein 1, CC chemokine STCP-1, CCL22, MDC, SCYA22, ABCD-1, DC/B-CK, MGC34554, A-152E5.1.

Formulation:

CCL22 filtered (0.4µm) and lyophilized from a concentrated solution containing 20mM phosphate buffer & 500mM NaCl pH-7.4.

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 CCL22 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Stability:

Lyophilized CCL22 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL22 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:

GPYGANMEDS VCCRDIYR LPLRVVKHFY WTS DSCPRPG VLLTFRDKE ICADPRVPWV KMILNKLSQ.

Biological Activity:

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