

Macrophage-Derived Chemokine Human Recombinant (CCL22)

Item Number	rAP-0204
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.
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.
Uniprot Accession Number	O00626
Amino Acid Sequence	GPYGANMEDS VCCRDYVRYR LPLRVVKHFY WTSDSCPRPG VLLTFRDKE ICADPRVPWV KMILNKLSQ.
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	CCL22 filtered (0.4µm) and lyophilized from a concentrated solution containing 20mM phosphate buffer & 500mM NaCl pH-7.4. Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized CCL22 in sterile 18MQ-cm H ₂ O 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
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**