

## Macrophage Inflammatory Protein-3 Human Recombinant (CCL23)

<b>Item Number</b>	rAP-0235
<b>Synonyms</b>	C-C motif chemokine 23, Small-inducible cytokine A23, Macrophage inflammatory protein 3, Myeloid progenitor inhibitory factor 1, CK-beta-8, MIP-3, MIPF-1, CKB-8, CCL23, MIP3, MIPF1, SCYA23, CKb8, Ckb-8 -1.
<b>Description</b>	MIP-3 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 99 amino acids and having a molecular mass of 11.3kDa. The MIP-3 is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P55773
<b>Amino Acid Sequence</b>	RVTKDAETEF MMSKLPLENP VLLDRFHATS ADCCISYTPR SIPCSSLLESYFETNSECSKP GVIFLTKKGR RFCANPSDKQ VQVCMRMLKL DTRIKTRKN.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized MIP-3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL23 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.
<b>Formulation and Purity</b>	Filtered (0.2µm) and lyophilized from a concentrated (1mg/ml) solution in 20mM PB, pH 7.4, 150mM NaCl. Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized MIP-3 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	Determined by its ability to chemoattract human T cell population using a concentration range of 10-50ng/ml corresponding to a Specific Activity of 20,000-100,000IU/mg.
<b>Shipping Format and Condition</b>	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**