

Rantes Rhesus Macaque Recombinant (CCL5)

Item Number	rAP-0251
Synonyms	C-C motif chemokine 5, Small-inducible cytokine A5, T-cell-specific protein RANTES, CCL5.
Description	Rantes Rhesus Macaque Recombinant produced in E.coli is a single, non-glycosylated, polypeptide chain containing 68 amino acids and having a molecular mass of 7.8kDa. The CCL5 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q8HYQ1
Amino Acid Sequence	SPHASDTTPC CFAYIARPLP RAHIKEYFYT SGKCSNPAAV FVTRKNRQVC ANPEKKWVRE YINSLEMS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Rantes although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL5 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	Rantes protein was lyophilized from a 0.2µm filtered concentrated solution in 20mM PB pH 6.0 and 500mM NaCl. Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Rantes in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The biological activity determined by a chemotaxis bioassay using human peripheral blood monocytes is in a concentration range of 1.0-10 ng/ml.
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**