Technical Data Sheet

Recombinant Human RANTES (rHu RANTES/ CCL5)

Human RANTES/ CCL5

CCL5 or RANTES (acronym for Regulated upon Activation, Normal T cell Expressed and presumably Secreted), was initially discovered by subtractive hybridization as a transcript expressed in T cells but not B cells. Eosinophilchemotactic activities released by thrombinstimulated human platelets have also been purified and found to be identical to RANTES. Besides T cells and platelets, RANTES has been reported to be produced by renal tubular epithelium, synovial fibroblasts and selected tumor cells.

Catalog Number:	RC315-16
Source:	*Escherichia coli.*
Molecular Weight:	7.8 kDa, a single non-glycosylated polypeptide chain containing 68 amino acids.
Quantity:	5ug/20ug/1000μg
Purity:	>98% by SDS-PAGE and HPLC analyses.
Biological Activity:	Measured by its ability to chemoattract human CCR5 transfected BaF3 mouse pro-B cells.The ED_{50} for this effect is typically 1-5ng/mL.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2μm filtered concentrated (1.0mg/ml) solution in 20mM PB, pH 7.4, 100mM NaCl.
AA Sequence:	SPYSSDTTPC CFAYIARPLP RAHIKEYFYT SGKCSNPAVV FVTRKNRQVC ANPEKKWVRE YINSLEMS
Endotoxin:	Less than 1EU/μg of rHuRANTES/ CCL5 as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20°C. Further dilutions should be made in appropriate buffered solutions.
Storage:	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.
Usage:	This material is offered by Bio Basic Inc for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.