

Datasheet for ABIN988213

CCL5 Protein



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Overview

Quantity:	1 mg
Target:	CCL5
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active

Product Details

Sequence:	SPYSSDTTPC CFAYIARPLP RAHIKEYFYT SGKCSNPAVV FVTRKNRQVC ANPEKKWVRE YINSLEM
Characteristics:	Fully biologically active when compared to standard. The ED50 determined by a chemotaxis bioassay using human monocytes is less than 30 ng/ml, corresponding to a specific activity of $> 3.3 \times 10^4$ IU/mg.
Purity:	> 98 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/μg of rHuRANTES/ CCL5 as determined by LAL method

Target Details

Target:	CCL5
Alternative Name:	RANTES/ CCL5 (CCL5 Products)
Background:	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

Target Details

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. Synonym: RANTES/ CCL5, Human. Formulation: Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4, 100mM NaCl.

Molecular Weight:	7.8 kDa, a single non-glycosylated polypeptide chain containing 68 amino acids.
Pathways:	Cellular Response to Molecule of Bacterial Origin , Regulation of G-Protein Coupled Receptor Protein Signaling , Smooth Muscle Cell Migration

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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:	4 °C