

RANTES Human E. coli

Product Data Sheet

Type: Recombinant	Cat. No.:	
Source: E. coli	RBG10285005	(5 µg)
Species: Human	RBG10285020	(20 µg)
Other names: Regulation upon Activation Normal T cell Express Sequence, CCL5, SIS-delta	RBG10285100	(100 µg)

Description

RANTES is a CC chemokine that can signal through the CCR1, CCR3, CCR5 and US28 (cytomegalovirus receptor) receptors. It is a chemoattractant towards monocytes, memory T cells (CD4+/CD45RO), basophils, and eosinophils. RANTES also has the capability to inhibit certain strains of HIV-1, HIV-2 and simian immunodeficiency virus (SIV). Recombinant Human RANTES is a 7.8 kDa protein containing 68 amino acid residues, including the four highly conserved cysteine residues present in the CC chemokines.

Research topic

Cardiovascular disease, Chemokines, Coronary artery disease, Cytokines and chemokines and related molecules, Immune Response, Infection and Inflammation, Neural tissue markers, Transplantation

Amino Acid Sequence

SPYSSDTTPC CFAYIARPLP RAHIKEYFYT SGKCSNPAVV FVTRKNRQVC ANPEKKWVRE YINSLEMS

Source

E. coli

Purity

98%

Biological Activity

Determined by its ability to chemoattract human blood monocytes using a concentration range of 1.0-10.0 ng/ml.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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