Recombinant Human RANTES (CCL5)

Cat No:HR2R1912

For research use only

Overview

Quantity	20 ?g
Gene Symbol	CCL5
Gene ID	6352
Accession	P13501
Alternative Name	Regulation upon Activation Normal T cell Express Sequence, CCL5, SIS-delta, C-C motif chemokine 5, EoCP, Eosinophil chemotactic cytokine, Small-inducible cytokine A5, T cell-specific protein P228, TCP228, T-cell-specific protein RANTES, D17S136E, SCYA5
Species	Human
Source	E. coli
Description	RANTES belongs to the family of chemotactic cytokines known as chemokines and is expressed by an early response gene. The synthesis of RANTES is induced by TNF-alpha and IL-1-alpha. RANTES is chemotactic for T cells, human eosinophils and basophils and plays an active role in recruiting leukocytes into inflammatory sites. RANTES also activates eosinophils to release eosinophilic cationic protein while being a potent activator of oxidative metabolism specific for eosinophils. RANTES increases the adherence of monocytes to endothelial cells and selectively supports the migration of monocytes and T lymphocytes expressing the cell surface markers CD4 and UCHL1.
Functions	Determined by its ability to chemoattract human blood monocytes using a concentration range of 1-10 ng/mL.
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	9
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.