

Datasheet for ABIN7519851
CCL5 Protein (His tag)



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Overview

Quantity:	100 µg
Target:	CCL5
Origin:	Human
Source:	Yeast (<i>Pichia pastoris</i>)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCL5 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CCL5/RANTES Protein
Sequence:	SPYSSDTTPC CFAYIARPLP RAHIKEYFYT SGKCSNPAVV FVTRKNRQVC ANPEKKWVRE YINSLEMS
Specificity:	Ser24-Ser91
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

Target Details

Target:	CCL5
Alternative Name:	CCL5/RANTES (CCL5 Products)
Background:	Description: Chemokines form a superfamily of secreted proteins involved in immunoregulatory

Target Details

and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CC subfamily, functions as a chemoattractant for blood monocytes, memory T helper cells and eosinophils. It causes the release of histamine from basophils and activates eosinophils. This cytokine is one of the major HIV-suppressive factors produced by CD8+ cells. It functions as one of the natural ligands for the chemokine receptor chemokine (C-C motif) receptor 5 (CCR5), and it suppresses in vitro replication of the R5 strains of HIV-1, which use CCR5 as a coreceptor. Alternative splicing results in multiple transcript variants that encode different isoforms.

Name: D17S136E, eoCP, RANTES, SCYA5, SIS-delta, SISd, TCP228,CCL5

Gene ID:	6352
UniProt:	P13501
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:	Liquid
Buffer:	Supplied as a 0.22 µm filtered solution in PBS, pH 7.4.
Storage:	-80 °C
Storage Comment:	This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.