Datasheet for ABIN7504996

CCL5 Protein (AA 24-91)

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Overview

Quantity:	100 µg
Target:	CCL5
Protein Characteristics:	AA 24-91
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Sequence:	Ser24-Ser91
Characteristics:	A DNA sequence encoding the Human CCL5/RANTES Protein(P13501)(Ser24-Ser91)was expressed with N-SUMO&C-His tag.
Purity:	> 90 % as determined by reducing SDS-PAGE.

Target Details

Target:	CCL5
Alternative Name:	CCL5 (CCL5 Products)
Background:	Abbreviation: CCL5,RANTES Target Synonym: C-C motif chemokine 5,EoCP,Eosinophil chemotactic cytokine,SIS-delta,Small-inducible cytokine A5,T cell-specific protein P228,TCP228,T-cell-specific protein RANTES,D17S136E,SCYA5 Background: Chemoattractant for blood monocytes, memory T-helper cells and eosinophils.

Target Details

	Causes the release of histamine from basophils and activates eosinophils. May activate several chemokine receptors including CCR1, CCR3, CCR4 and CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant RANTES protein induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form RANTES(3-68) acts as a natural chemotaxis inhibitor and is a more potent inhibitor of HIV-1-infection. The second processed form RANTES(4-68) exhibits reduced chemotactic and HIV-suppressive activity compared with RANTES(1-68) and RANTES(3-68) and is generated by an unidentified enzyme associated with monocytes and neutrophils
Molecular Weight:	Calculated MW: 22.3 kDa Observed MW: 25 kDa
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

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4., 5 % trehalose, 5 % mannitol, 0.01 % tween-80. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months