

RP01563LQ

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Recombinant Human CCL5/RANTES Protein

Catalog No.: RP01563LQ

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
<I>E. coli</I>	6352	P13501

Tags

C-His

Synonyms

CCL5;D17S136E;RANTES;SCYA5;SIS-delta;SISd;TCP228;eoCP

Background

Chemokines form a superfamily of secreted proteins involved in immunoregulatory 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.

Product Information

Source

<I>E. coli</I>

Purification

≥ 95 % as determined by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Supplied as a 0.22 μm filtered solution in 50 mM Tris, 500 mM NaCl, 5% glycerol, pH7.5.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Basic Information

Description

Recombinant Human CCL5/RANTES Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ser24-Ser91) of human CCL5/RANTES (Accession #NP_002976.2) fused with a 6×His tag at the C-terminus

Bio-Activity

50 ng/mL of Recombinant Human CCL5/RANTES enhances STAT3, P65 autophosphorylation and upregulates the expression of MDA5 in SW620 cells.

Storage

Store at -70°C. 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. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

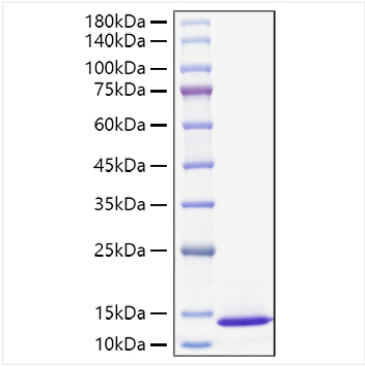
Contact



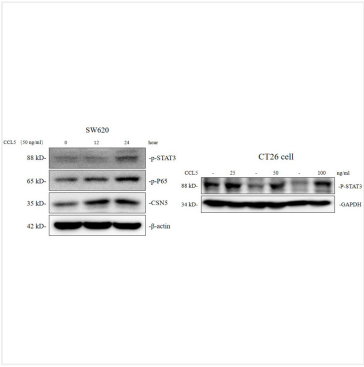
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* For your safety and health, please wear a lab coat and disposable gloves when handling.

Validation Data



Recombinant Human CCL5/RANTES Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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