

Recombinant human CCL5/RANTES protein

Catalog Number: ATGP0374

PRODUCT INFORMATION

Expression system

E.coli

Domain

24-91aa

UniProt No.

P13501

NCBI Accession No.

NP_002976

Alternative Names

TCP228, T cell specific RANTES protein, T cell specific protein p288, Small inducible cytokine subfamily A (Cys Cys) member 5, Small inducible cytokine A5 Beta chemokine RANTES precursor, Small inducible cytokine A5 (RANTES), Small inducible cytokine A5, SISd, SIS delta, SCYA5, Regulated upon activation normally T expressed and presumably secreted, MGC17164, Eosinophil chemotactic cytokine, EoCP, D17S136E, Chemokine CC Motif Ligand 5, CCL5

PRODUCT SPECIFICATION

Molecular Weight

7.9 kDa (69aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 10mM Sodium Citrate buffer (pH 3.5) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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Description

Rantes, also known as CCL5, is the protein classified as a chemotactic cytokine or chemokine. This protein is a chemotactic for blood monocytes, memory T helper cells, eosinophils and basophils, and plays an active role in recruiting leukocytes into inflammatory sites. Rantes also induces the proliferation and activation of certain natural-killer (NK) cells to form CHAK (CC-Chemokine-activated killer) cells. It is also an HIV-suppressive factor released from CD8+ T cells. Recombinant RANTES protein was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

MSPYSSDTTP CCFAYIARPL PRAHIKEYFY TSGKCSNPAV VVTRKNRQV CANPEKKWVR EYINSLEMS

General References

Maghazachi Aa., et al. (1996) *Eur J Immunol.* 26(2):315-9.Duggal P., et al. (2005) *J Acquir Immune Defic Syndr.* 38(5):584-9.

DATA

SDS-PAGE

3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

