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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



Recombinant human CCL5/RANTES protein

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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

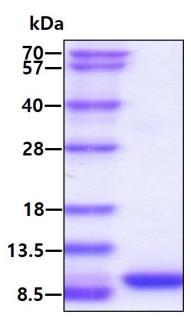
MSPYSSDTTP CCFAYIARPL PRAHIKEYFY TSGKCSNPAV VFVTRKNRQV CANPEKKWVR EYINSLEMS

General References

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

DATA

SDS-PAGE



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

