

Rantes Human, His

Description: Rantes Human Recombinant produced in E.Coli is single, a non-glycosylated, Polypeptide chain containing 68 amino acids fragment (24-91) having a total molecular mass of 17.5kDa and fused with a 4.5kDa amino-terminal hexahistidine tag. The Rantes His is purified by proprietary chromatographic techniques.

Catalog #: CHPS-368

For research use only.

Synonyms: Small inducible cytokine A5, CCL5, T-cell-specific RANTES protein, SIS-delta, T cell-specific protein P228, TCP228, chemokine (C-C motif) ligand 5, SISd, SCYA5, RANTES, D17S136E, MGC17164.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

Rantes His-Tag protein is supplied in 1x PBS and 50% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Regulated upon Activation, Normal T-cell Expressed, and Secreted or RANTES is an 8 kDa protein classified as a chemotactic cytokine or chemokine. It has recently been renamed CCL5. RANTES is chemotactic for T cells, eosinophils and basophils and plays an active role in recruiting leukocytes into inflammatory sites. With the help of particular cytokines (i.e. IL-2 and IFN-) that are released by T cells, RANTES also induces the proliferation and activation of certain natural killer (NK) cells to form CHAK (CC-Chemokine-activated killer) cells. It is also a HIV-suppressive factor released from CD8+ T cells. This chemokine has been localized to chromosome 17 in humans.

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