

Recombinant Human CCL5/RANTES Protein

Catalog No. PKSH500054

Description

Synonyms	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
Species	Human
Expression_host	E.coli
Sequence	Ser24-Ser91
Accession	NP_002976.2
Mol_Mass	22.3 kDa
AP_Mol_Mass	25 kDa
Tag	N-His-SUMO

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4, 5% trehalose, 5% mannitol, 0.01% tween-80.
Reconstitution	Please refer to the printed manual for detailed information.

Background

Chemoattractant for blood monocytes, memory T-helper cells and eosinophils. 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

SDS-PAGE

