

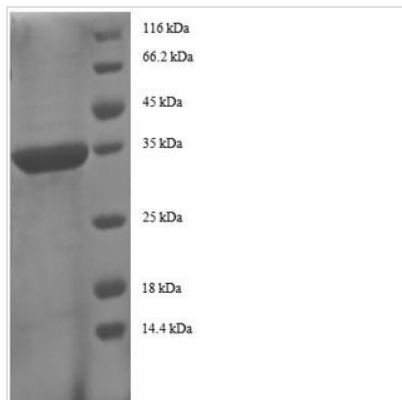


Recombinant Human C-C motif chemokine 5 (CCL5)

Product Code	CSB-EP004800HUe0
Relevance	Choattractant for blood monocytes, mory T-helper cells and eosinophils. Causes the release of histamine from basophils and activates eosinophils. May activate several chokine 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 chotaxis inhibitor and is a more potent inhibitor of HIV-1-infection. The second processed form RANTES(4-68) exhibits reduced chotactic 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 . May also be an agonist of the G protein-coupled receptor GPR75, stimulating inositol trisphosphate production and calcium mobilization through its activation. Together with GPR75, may play a role in neuron survival through activation of a downstream signaling pathway involving the PI3, Akt and MAP kinases. By activating GPR75 may also play a role in insulin secretion by islet cells
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P13501
Alias	EoCPEosinophil chemotactic cytokine;SIS-delta;Small-inducible cytokine A5T cell-specific protein P228 ;TCP228T-cell-specific protein RANTES
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	SPYSSDTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVVFVTRKNRQVCANP EKKWVREYINSLEMS
Research Area	Immunology
Source	E.coli
Gene Names	CCL5
Expression Region	24-91aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	34.9kDa


Protein Description

Full Length of Mature Protein

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.