



# Recombinant Human C-C motif chemokine 5 (CCL5)

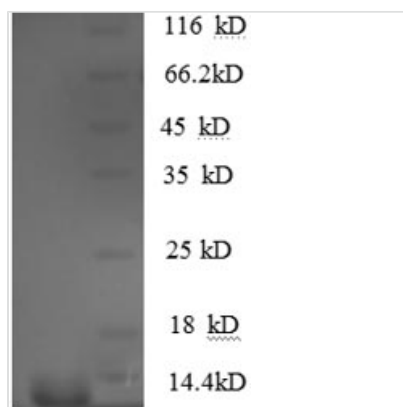
<b>Product Code</b>	CSB-EP004800HU
<b>Relevance</b>	Choattractant for blood monocytes, mory T-helper cells and eosinophils. Causes the release of histamine from basophils and activates eosinophils. May activate several chokine receptors including CCR1, CCR3, CCR4 and CCR5. One of the major HIV-suppressive 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
<b>Abbreviation</b>	Recombinant Human CCL5 protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	P13501
<b>Alias</b>	EoCPEosinophil chemotactic cytokine;SIS-delta;Small-inducible cytokine A5T cell-specific protein P228 ;TCP228T-cell-specific protein RANTES
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	SPYSSDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVVFVTRKNRQVCANP EKKWVREYINSLEMS
<b>Research Area</b>	Immunology
<b>Source</b>	E.coli
<b>Target Names</b>	CCL5
<b>Expression Region</b>	24-91aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged



**Mol. Weight** 11.9kDa

**Protein Length** Full Length of Mature Protein

**Image**



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

**Shelf Life**

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