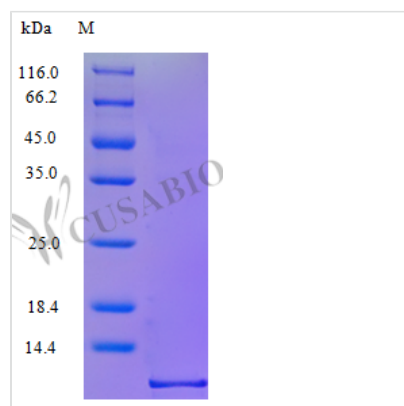




# Recombinant Human C-C motif chemokine 5 protein (CCL5)

<b>Product Code</b>	CSB-AP000871HU
<b>Abbreviation</b>	Recombinant Human CCL5 protein (Active)
<b>Uniprot No.</b>	P13501
<b>Storage Buffer</b>	0.2 $\mu$ m filtered 20mM PB, pH 7.4, 100 mM NaCl ,lyophilized
<b>Product Type</b>	Chemokines
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood monocytes is in a concentration range of 1.0-10 ng/ml.
<b>Purity</b>	>98% as determined by SDS-PAGE.
<b>Sequence</b>	SPYSSDTTPC CFAYIARPLP RAHIKEYFYT SGKCSNPAVV FVTRKNRQVC ANPEKKWVRE YINSLEMS
<b>Research Area</b>	Immunology
<b>Source</b>	E.Coli
<b>Target Names</b>	CCL5
<b>Expression Region</b>	24-91aa
<b>Tag Info</b>	Tag-Free
<b>Mol. Weight</b>	7.8 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>PubMed ID</b>	2456327; 10213461; 16791620; 15489334; 1380064; 7524281; 8525373; 9516414; 15923218; 17001303; 23979485; 7537088; 7542919; 9889151;

## Image



## Description

Discover the versatility of our Recombinant Human CCL5 protein, an essential tool for advancing immunological research. Synthesized in E. coli, this full-length



mature protein spans the 24-91aa expression region and is tag-free for maximum compatibility with your experimental setup. Provided as a lyophilized powder, the product is conveniently reconstituted according to your needs.

Our commitment to quality ensures that the Recombinant Human CCL5 protein boasts a purity of >98% as determined by SDS-PAGE and HPLC analysis. Endotoxin levels are maintained below 1.0 EU/μg, as verified by the LAL method. Additionally, the protein's biological activity is demonstrated through a chemotaxis bioassay using human peripheral blood monocytes, with an effective concentration range of 1.0-10 ng/ml.

CCL5 is a key player in the recruitment and activation of immune cells, with research emphasizing its role in various immune responses and inflammatory processes<sup>[1]</sup>. As such, our Recombinant Human CCL5 protein serves as a valuable tool in elucidating the molecular mechanisms underlying immune function and developing novel therapeutics for immune-related disorders<sup>[2]</sup>.

#### References:

1. Appay V, Rowland-Jones SL. RANTES: a versatile and controversial chemokine. *Trends Immunol.* 2001;22(2): 83-87.
2. Proost P, Struyf S, Van Damme J. Natural post-translational modifications of chemokines. *Biochem Soc Trans.* 2006;34(Pt 6): 997-1001.

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**Endotoxin**

Less than 1.0 EU/μg as determined by LAL method.

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**Shelf Life**

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.