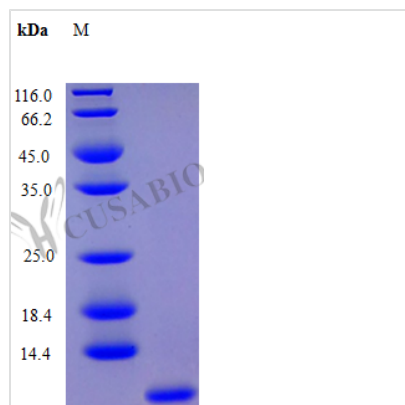




# Recombinant Human C-X-C motif chemokine 5 protein (CXCL5), partial (Active)

<b>Product Code</b>	CSB-AP000681HU
<b>Abbreviation</b>	Recombinant Human CXCL5 protein, partial (Active)
<b>Uniprot No.</b>	P42830
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered PBS, pH 7.4
<b>Product Type</b>	Chemokine
<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 neutrophils is in a concentration of 5.0-10 ng/ml.
<b>Purity</b>	>97% as determined by SDS-PAGE.
<b>Sequence</b>	AAVLRELRCV CLQTTQGVHP KMISNLQVFA IGPQCSKVEV VASLKNGKEI CLDPEAPFLK KVIQKILDGG NKEN
<b>Research Area</b>	Immunology
<b>Source</b>	E.coli
<b>Target Names</b>	CXCL5
<b>Expression Region</b>	41-114aa
<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>	Tag-Free
<b>Mol. Weight</b>	8.1 kDa
<b>Protein Length</b>	Partial
<b>PubMed ID</b>	7828901; 7929219; 7999089; 11468158; 15489334; 1744577; 10095777; 12665801; 14711052

## Image





## Description

This Recombinant Human CXCL5 protein is an essential research tool for investigators in the field of immunology. This C-X-C motif chemokine 5, also known as CXCL5, ENA78, and SCYB5, is expressed in *E. coli*, featuring the 41-114aa expression region of the partial protein. The tag-free protein is supplied as a lyophilized powder, allowing for easy reconstitution with sterile water or buffer to facilitate a wide range of experimental applications.

Quality and performance are paramount for us, and our Recombinant Human CXCL5 protein exhibits a purity of >97% as determined by SDS-PAGE and HPLC analysis. In addition, endotoxin levels are maintained below 1.0 EU/μg, as assessed by the LAL method. The protein demonstrates full biological activity in a chemotaxis bioassay using human peripheral blood neutrophils, with an effective concentration range of 5.0-10 ng/ml.

## Endotoxin

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

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## 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.