

# Recombinant Human CXCL5/ENA-70 Protein

Catalog No.: RP00351 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	6374	P42830

### Tags

No tag

### Synonyms

CXCL5;ENA-78;SCYB5

## Product Information

Source	Purification
<i>E. coli</i>	> 95% by SDS-PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of 20 mM PB, pH 6.0. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

This protein belongs a protein that is a member of the CXC subfamily of chemokines. Chemokines, which recruit and activate leukocytes, are classified by function (inflammatory or homeostatic) or by structure. This protein is proposed to bind the G-protein coupled receptor chemokine (C-X-C motif) receptor 2 to recruit neutrophils, to promote angiogenesis and to remodel connective tissues. This protein is thought to play a role in cancer cell proliferation, migration, and invasion.

## Basic Information

### Description

Recombinant Human CXCL5/ENA-70 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Leu44-Asn114) of human CXCL5/ENA-70 (Accession #P42830) fused with an initial Met at the N-terminus.

### Bio-Activity

Measured by its ability to activate chimeric receptor and induce reporter gene expression in HEK293 cell line used Splite TEV activity detection platform. The ED<sub>50</sub> for this effect is typically 1-20 ng/mL.

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact

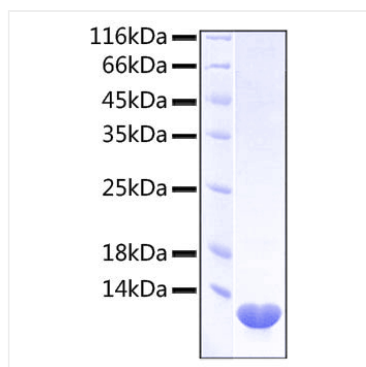
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## Validation Data

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Recombinant protein Human CXCL5/ENA-70 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 8 kDa.