

# Recombinant Human CXCL7/PPBP Protein

Catalog No.: RP01599

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	5473	P02775

### Tags

No tag

### Synonyms

PPBP;B-TG1;Beta-TG;CTAP-III;CTAP3;CTAPIII;CXCL7;LA-PF4;LDGF;MDGF;NAP-2;PBP;SCYB7;TC1;T C2;TGB;TGB1;THBGB;THBGB1

## Product Information

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

### Endotoxin

Please contact us for more information.

### Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Background

This protein is a platelet-derived growth factor that belongs to the CXC chemokine family. This growth factor is a potent chemoattractant and activator of neutrophils. It has been shown to stimulate various cellular processes including DNA synthesis, mitosis, glycolysis, intracellular cAMP accumulation, prostaglandin E2 secretion, and synthesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by synovial cells. The protein also is an antimicrobial protein with bactericidal and antifungal activity.

## Basic Information

### Description

Recombinant Human CXCL7/PPBP Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ala59-Asp128) of human CXCL7/PPBP (Accession #NP\_002695.1) fused with no additional amino acid.

### Bio-Activity

### Storage

Store the lyophilized protein at -20°C to -80°C for 12 months. 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

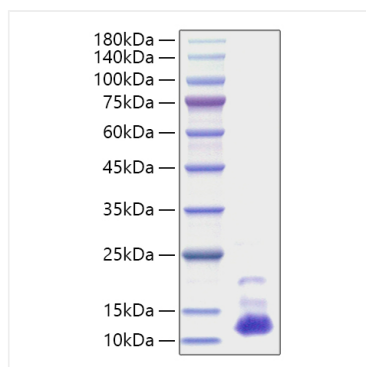
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## Validation Data

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Recombinant Human CXCL7/PPBP Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 10-15 kDa.