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Datasheet for ABIN7535965 CXCL7 Protein

Overview

Quantity:	100 µg
Target:	CXCL7 (PPBP)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human CXCL7/PPBP Protein
Sequence:	AELRCMCIKT TSGIHPKNIQ SLEVIGKGTG CNQVEVIATL KDGRKICLDP DAPRIKKIVQ KKLAGDESAD
Specificity:	Ala59-Asp128
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered

Target Details

Target:	CXCL7 (PPBP)
Alternative Name:	CXCL7/PPBP (PPBP Products)
Background:	Description: 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

Target Details

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.

Name: PPBP,B-TG1,Beta-TG,CTAP-III,CTAP3,CTAPIII,CXCL7,LA-PF4,LDGF,MDGF,NAP-2,PPBP,SCYB7,TC1,TC2,TGB,TGB1,THBGB,THBGB1

Gene ID: 5473

UniProt: [P02775](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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.

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

Storage: -20 °C,-80 °C

Storage Comment: 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.