Recombinant Human CXCL7/PPBP Protein

Catalog No.: RP01599

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Sequence Information

Species
Human

Gene ID
5473

Swiss Prot
P02775

Tags
No tag

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

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
7.63 kDa

Observed MW
10-15 kDa

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 stablizer (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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

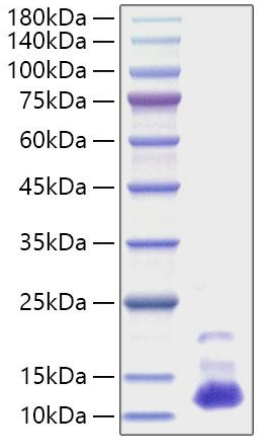
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human CXCL7/PPBP Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.