

Recombinant Human Pro-Platelet Basic Protein (chemokine (C-X-C motif) ligand 7)

Cat. No. PPBP-339H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source Human

ProteinLength 35-128 a.a.

ProductOverview Recombinant human PPBP protein was expressed in E. coli and purified by using conventional chromatograph.

Description PPBP, also known as chemokine (C-X-C motif) ligand 7 (CXCL7), is a platelet-derived growth factor that belongs to the alpha-chemokine family. It is a protein that is released in large amounts from platelets following their activation. It stimulates various processes including mitogenesis, synthesis of extracellular matrix, glucose metabolism and synthesis of plasminogen activator.

Concentration 1mg/ml

Form Supplied as a liquid in 20mM Tris-HCl buffer, pH 7.5, containing 10% glycerol and 1mM DTT.

Purity >90% by SDS - PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequence	35-128amino acids: MSSTKGQTKR NLAGKKEESL DSDLYAELRC MCIKTTSGIH PKNIQSLEVIGKGTCHCNQVE VIATLKDGRK ICLDPDAPRI KKIVQKKLAG DESAD
MolecularMass	10.3 kDa (95aa),confirmed by MALDI-TOF.
Applications	SDS-PAGE
Storage	Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.
OfficialSymbol	PPBP
GENE INFORMATION	
Gene Name	PPBP pro-platelet basic protein(chemokine (C-X-C motif) ligand 7) [Homo sapiens]
Synonyms	PPBP; pro-platelet basic protein (chemokine (C-X-C motif) ligand 7); PBP; TC1; TC2; TGB; LDGF; MDGF; TGB1; B-TG1; CTAP3; CXCL7; NAP-2; SCYB7; THBGB; LAPF4; SCAR10; THBGB1; Beta-TG; CTAP III; CTAP-III; PPBP; platelet basic protein; thrombocidin 1; thrombocidin 2; OTTHUMP00000160477; b-TG1; NAP-2-L1; beta-thromboglobulin; CXC chemokine ligand 7; C-X-C motif chemokine 7; thromboglobulin, beta-1; small inducible cytokine B7; small-inducible cytokine B7; leukocyte-derived growth factor; low-affinity platelet factor IV; neutrophil-activating peptide 2; neutrophil-activating peptide-2; macrophage-derived growth factor; connective tissue-activating peptide III; small inducible cytokine subfamily B, member 7; Macrophage-derived growth factor; Small-inducible cytokine B7; Leukocyte-derived growth factor
Gene ID	5473
mRNA Refseq	NM_002704

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Protein Refseq	NP_002695
MIM	121010
UniProt ID	P02775
Chromosome Location	4q12-q13
Pathway	Chemokinereceptors bind chemokines; Chemokine signaling pathway; Class A/1(Rhodopsin-like receptors); Cytokine-cytokine receptor interaction
Function	chemokine activity;glucose transmembrane transporter activity; growth factor activity
PDBrendering based on 1f9p.	