

Recombinant Human PPBP Protein (Ala59-Asp128), His tagged

Cat. No. PPBP-5943H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PPBP (Ala59-Asp128) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala59-Asp128
Description	Pro-platelet basic protein (PPBP) is also known as Chemokine (C-X-C motif) ligand 7 (CXCL7) and nucleosome assembly protein (Nap-2). Nap-2/PPBP/CXCL7 is released in large amounts from platelets following their activation and is a platelet-derived growth factor that belongs to the CXC chemokine family. This growth factor is a potent chemoattractant and activator of neutrophils. Nap-2/PPBP/CXCL7 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. Nap-2 is a ligand for CXCR1 and CXCR2, and Nap-2, Nap-2 (73), Nap-2 (74), Nap-2 (1-66), and most potent Nap-2 (1-63) are chemoattractants and activators for neutrophils.
Form	Lyophilized powder/frozen liquid
Molecular Mass	8.88 kDa

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Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	PPBP pro-platelet basic protein (chemokine (C-X-C motif) ligand 7) [Homo sapiens (human)]
Official Symbol	PPBP
Synonyms	PPBP; pro-platelet basic protein (chemokine (C-X-C motif) ligand 7); THBGB1; platelet basic protein; b TG1; Beta TG; beta thromboglobulin; connective tissue activating peptide III; CTAP3; CTAPIII; CXCL7; LA PF4; LDGF; MDGF; NAP 2; NAP 2 L1; neutrophil activating peptide 2; PBP; SCYB7; TGB; TGB1; thrombocidin 1; thrombocidin 2; 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; TC1; TC2; B-TG1; NAP-2; THBGB; LA-PF4; SCAR10; Beta-TG; CTAP-III;

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Gene ID	5473
mRNA Refseq	NM_002704
Protein Refseq	NP_002695
MIM	121010
UniProt ID	P02775

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