Recombinant Full Length Human PPBP Protein

Cat. No. PPBP-29720TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NAP2 expressed in Saccharomyces cerevisiae; 128 amino acids, MWt 13.9 kDa. 25 kDa proprietary tag is attached.
Species	Human
ProteinLength	1-128 a.a.
Description	The protein encoded by this gene 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.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino	MSLRLDTTPSCNSARPLHALQVLLLLSLLLTALASSTKGQ TKRNLAKGKEESLDSDL

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acids	YAELRCMCIKTTSGIHPKNIQ SLEVIGKGTHCNQVEVIATLKDGRKICLDPDAPRIKKI VQKKLAGDESAD
Sequence Similarities	Belongs to the intercrine alpha (chemokine CxC) family.
Full Length	Full L.

GENE INFORMATION

Gene Name	PPBP pro-platelet basic protein (chemokine (C-X-C motif) ligand 7) [Homo sapiens]
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 act
Gene ID	5473
mRNA Refseq	NM_002704
Protein Refseq	NP_002695
MIM	121010
Uniprot ID	P02775
Chromosome Location	4q12-q13

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Pathway	Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem;
Function	chemokine activity; glucose transmembrane transporter activity; growth factor activity;

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