

Active Human PPBP

Cat. No. PPBP-111H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	It is a synthetic Protein
Species	Human
Description	NAP-2 (Neutrophil Activating Peptide 2) is a member of the CXC chemokine family. It is similar to other ELR domain containing chemokines to CXC receptors such as interleukin-8 and GRO proteins. NAP-2 binds to CXCR-2 and chemoattracts and activates neutrophils. NAP-2 is a proteolytically processed carboxyl-terminal fragment of platelet basic protein (PBP) and is found in the -granules of human platelets.
Form	Lyophilized
Bio-activity	Activity measured by the protein's ability to induce myeloperoxidase release from cytochalasin B treated human neutrophils. ED50 for this activity is 0.2-0.5 µg/ml.
Applications	Activity Assay
Storage	Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles
Reconstitution	Recommended reconstitution in sterile phosphate buffered saline which contains at least 0.1% human or bovine serum albumin to prepare a stock solution of no less than 20 µg/ml and vortex thoroughly.

GENE INFORMATION

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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 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;
Gene ID	5473
mRNA Refseq	NM_002704
Protein Refseq	NP_002695
MIM	121010
UniProt ID	P02775
Chromosome Location	4q12-q13
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

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biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem;
Cytokine-cytokine receptor interaction, conserved biosystem; G alpha (i) signalling
events, organism-specific biosystem;

Function

chemokine activity; glucose transmembrane transporter activity; growth factor activity;

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