

## Product datasheet for **AR39049PU-L**

### **NAP2 / PPBP / CXCL7 (35-128) Human Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	NAP2 / PPBP / CXCL7 (35-128) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MSSTKGQTKR NLAKGKEESL DSDLYAELRC MCICKTSGIH PKNIQSLEVI GKGTHCNQVE VIATLKDGRK ICLDPDAPRI KKIVQKLAG DESAD
Predicted MW:	10.3 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified peptide Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 10% glycerol, 1 mM DTT
Endotoxin:	< 1.0 EU per 1 µg of protein (determined by LAL method )
Preparation:	Liquid purified peptide
Protein Description:	Recombinant human PPBP protein was expressed in E.coli and purified by using conventional chromatograph.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_002695</a>
Locus ID:	5473
UniProt ID:	<a href="#">P02775</a>
Cytogenetics:	4q13.3
Synonyms:	B-TG1; Beta-TG; CTAP-III; CTAP3; CTAPIII; CXCL7; LA-PF4; LDGF; MDGF; NAP-2; PBP; SCYB7; TC1; TC2; TGB; TGB1; THBGB; THBGB1



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**Summary:**

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. The protein also is an antimicrobial protein with bactericidal and antifungal activity. [provided by RefSeq, Nov 2014]

**Protein Families:**

Druggable Genome, Secreted Protein, Transmembrane

**Protein Pathways:**

Chemokine signaling pathway, Cytokine-cytokine receptor interaction

**Product images:**