

# Growth Factor Data Sheet

GoldBio growth factors are manufactured for **RESEARCH USE ONLY** and cannot be sold for human consumption!

PPBP is an ELR type of CXC chemokine. This recombinant protein is a mature, proteolytically processed form of PPBP containing 70 amino acids that is also known as NAP2. It is expressed in human monocytes after treatment with bacterial endotoxins and released from the alpha-granules of platelets after their activation. NAP2 is chemotactic for fibroblasts and neutrophils. It is involved in a variety of cellular processes including mitogenesis, DNA synthesis, extracellular matrix synthesis, glycolysis, and plasminogen activator synthesis.

<b>Catalog Number</b>	<b>2110-07</b>
<b>Product Name</b>	<b>PPBP (CXCL7), Human</b> Recombinant Human Pro-Platelet Basic Protein (PPBP) Chemokine (C-X-C motif) Ligand 7 (CXCL7) Neutrophil-Activating Polypeptide 2 (NAP2) Small Inducible Cytokine Subfamily B Member 7 (SCYB7) Beta-Thromboglobulin (THBGB1)
<b>Source</b>	<i>Escherichia coli</i>
<b>MW</b>	~7.6 kDa (70 amino acids)
<b>Sequence</b>	AELRCMCIKT TSGIHPKNIQ SLEVIGKGTG CNQVEVIATL KDGRKICLDP DAPRIKKIVQ KLAGDESAD
<b>Accession Number</b>	<a href="#">P02775</a>
<b>Purity</b>	>97% by SDS-PAGE and HPLC analyses
<b>Biological Activity</b>	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood neutrophils is in a concentration range of 1.0-10.0 ng/ml.
<b>Formulation</b>	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
<b>Storage/Handling</b>	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles.
<b>Reconstitution</b>	The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum.