

Product datasheet for **TP723832**

CXCL7 (PPBP) (NM_002704) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human pro-platelet basic protein (chemokine (C-X-C motif) ligand 7) (CXCL7 / PPBP/ NAP-2)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Human CXCL7, the region of Ala59-Asp128, from gene Accession# NM_002704.3
Tag:	Tag Free
Predicted MW:	7.6 kDa
Concentration:	lot specific
Purity:	>90%, as determined by Coomassie stained SDS-PAGE.
Buffer:	1 x PBS
Bioactivity:	Bioactivity was measured by its property to chemoattract human neutrophils in a dose dependent manner.
Endotoxin:	Less than 0.01 ng per µg protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	NP_002695
Locus ID:	5473
UniProt ID:	P02775
RefSeq Size:	1307
Cytogenetics:	4q13.3
RefSeq ORF:	384



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Synonyms:	B-TG1; Beta-TG; CTAP-III; CTAP3; CTAPIII; CXCL7; LA-PF4; LDGF; MDGF; NAP-2; PBP; SCYB7; TC1; TC2; TGB; TGB1; THBGB; THBGB1
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