

Product datasheet for **TP307018M**

CXCL7 (PPBP) (NM_002704) Human Recombinant Protein

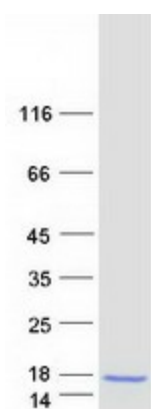
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human pro-platelet basic protein (chemokine (C-X-C motif) ligand 7) (PPBP), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207018 protein sequence Red =Cloning site Green =Tags(s)
	 MSLRLDTPSCNSARPLHALQVLLLLSLLLTALASSTKGQTKRNLAKGKEESLSDLYAELRCMCIKTTSGIHPKNIQSLEVIGKGTNCNQEVIATLKDGRKICLDPDAPRIKKIVQKLAGDESAD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	10.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002695
Locus ID:	5473
UniProt ID:	P02775
RefSeq Size:	1307



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Cytogenetics:	4q13.3
RefSeq ORF:	384
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

Product images:

Coomassie blue staining of purified PPBP protein (Cat# [TP307018]). The protein was produced from HEK293T cells transfected with PPBP cDNA clone (Cat# [RC207018]) using MegaTran 2.0 (Cat# [TT210002]).