

## Product datasheet for PH307018

### CXCL7 (PPBP) (NM\_002704) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PPBP MS Standard C13 and N15-labeled recombinant protein (NP_002695)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207018
Predicted MW:	13.9 kDa
Protein Sequence:	>RC207018 protein sequence Red=Cloning site Green=Tags(s)  MSLRLDTTPSCNSARPLHALQVLLLLSLLLTALASSTKGQTKRNLAKGKEESLDSPLYAELRCMCIKTTS GIHPKNIQSLEVIKGTGTHCNQVEVIATLKDGRKICLDPDAPRIKKIVQKLAGDESAD  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_002695</a>
RefSeq Size:	1307
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
Locus ID:	5473
UniProt ID:	<a href="#">P02775</a>



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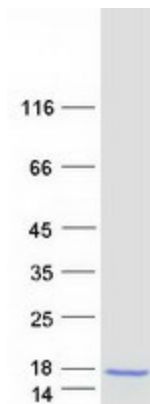
**Cytogenetics:** 4q13.3

**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]).