

## Product datasheet for **TP727202**

### CXCL7 (PPBP) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human C-X-C Motif Chemokine 7/CXCL7/NAP-2 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ser35-Asp128
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mMHAc-Nac, 150mM NaCl, pH 4.0.
Note:	Recombinant Human C-X-C Motif Chemokine 7 is produced by our Mammalian expression system and the target gene encoding Ser35-Asp128 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	5473
UniProt ID:	<a href="#">P02775</a>
Synonyms:	Platelet Basic Protein; PBP; C-X-C Motif Chemokine 7; Leukocyte-Derived Growth Factor; LDGF; Macrophage-Derived Growth Factor; MDGFSmall-Inducible Cytokine B7; PPBP; CTAP3; CXCL7; SCYB7; TGB1; THBGB1
Summary:	Human Chemokine (C-X-C motif) Ligand 7 (CXCL7), also known as neutrophil activating peptide 2 (NAP-2), is a member of the CXC chemokines containing an ELR domain (Glu-Leu-Arg tripeptide motif). Similar to other ELR domain containing CXC chemokines, such as IL-8 and the GRO proteins, CXCL7 binds CXCR2, chemoattracts and activates neutrophils. CXCL7, Connective Tissue Activating Protein III (CTAPIII) and Î²thromboglobulin (Î²TG), are proteolytically processed carboxylterminal fragments of platelet basic protein (PBP) which is found in the alphagranules of human platelets. Although CTAPIII, Î²TG, and PBP represent amino-terminal extended variants of NAP2 and possess the same CXC chemokine domains, these proteins do not exhibit CXCL7/NAP2 activity. CXCL7 induces cell migration through the G-protein-linked receptor CXCR-2.



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**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane

**Protein Pathways:** Chemokine signaling pathway, Cytokine-cytokine receptor interaction