

## PRODUCT INFORMATION

<b>Target</b>	CXCL7
<b>Synonyms</b>	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
<b>Description</b>	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.
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P02775
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His Tag
<b>Molecular Characterization</b>	Not available
<b>Molecular Weight</b>	11.3 KDa
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from a 0.2 µm filtered solution of 20mM HAc-Nac, 150mM NaCl, pH 4.0.
<b>Storage&amp;Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Background</b>	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 $\beta$ thrombogulin ( $\beta$ TG), are proteolytically processed carboxylterminal fragments of platelet basic protein (PBP) which is found in the alpha granules of human platelets. Although CTAPIII, $\beta$ TG, 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.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



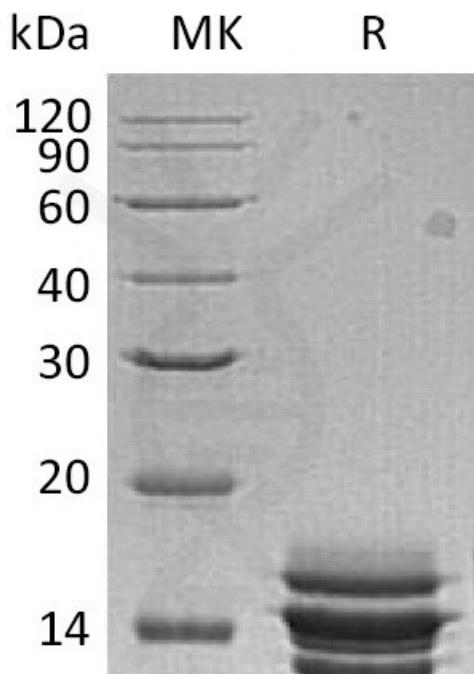


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

