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# 32-7048: Recombinant Human C-X-C Motif Chemokine 7/CXCL7/NAP-2

**Gene :** PPBP
**Gene ID :** 5473
**Uniprot ID :** P02775

## Description

Source: E.coli.
MW :7.6kD.
Recombinant Human C-X-C Motif Chemokine 7 is produced by our E.coli expression system and the target gene encoding Ala59-Asp128 is expressed. 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 betathrombogulin ( betaTG), are proteolytically processed carboxylterminal fragments of platelet basic protein (PBP) which is found in the alphagranules of human platelets. Although CTAPIII, betaTG, 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.

## Product Info

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| **Amount :** | 10 µg / 50 µg |
| **Content :** | Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. |
| **Storage condition :** | 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. |
| **Amino Acid :** | AELRCMCIKTTSGIHPKNIQSLEVIGKGTHCNQVEVIATLKDGRKICLDPDAPRIKKIVQKKLAGDESAD |

## Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ÃÂµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
**Endotoxin :** Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.
**Biological Activity :** ED50 is 0.1-0.5 ng/mL.