



## Product Datasheet

<b>Product Name</b>	Recombinant Human Neutrophil Activating Protein-2 (CXCL7)
<b>Cata No</b>	CB500039
<b>Source</b>	<i>Escherichia Coli</i> .
<b>Synonyms</b>	Platelet basic protein, PBP, Small inducible cytokine B7, CXCL7, Leukocyte-derived growth factor, LDGF, Macrophage-derived growth factor, MDGF, pro-platelet basic protein (chemokine (C-X-C motif) ligand 7), TC1, TC2, TGB, TGB1, B-TG1, CTAP3, NAP-2, SCYB7, THBGB, LA-PF4, THBGB1, Beta-TG, CTAPIII, CTAP-III.

### Description

Chemokine (C-X-C motif) ligand (CXCL7) is a small cytokine belonging to the CXC chemokine family. It is a protein that is released in large amounts from platelets following their activation. It stimulates various processes including mitogenesis, synthesis of extracellular matrix, glucose metabolism and synthesis of plasminogen activator.

Neutrophil Activating Protein-2 Human

Recombinant produced in E.Coli is a non-glycosylated, Polypeptide chain containing 70 amino acids and having a molecular mass of 7609 Dalton.

The NAP-2 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

### Biological Activity

The specific activity as determined by the ability of NAP2 to chemoattract human neutrophils using a concentration of 1-10 ng/ml.

### Purity

Greater than 98.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

### Formulation

The CXCL7 protein was lyophilized from a concentrated (1mg/ml) sterile solution containing no additives.

### Stability

Lyophilized NAP-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL7 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Please prevent freeze-thaw cycles.**

### Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Glu-Leu-Arg-Cys

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