

## 32-1975: NAP 2 Recombinant Protein

**Alternative Name :** 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,S

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 10 µg

**Purification :** Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

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

**Storage condition :** 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.

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

### Application Note

It is recommended to reconstitute the lyophilized Neutrophil Activating Protein-2 in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. The specific activity as determined by the ability of NAP2 to chemoattract human neutrophils using a concentration of 1-10ng/ml corresponding to a Specific Activity of 100,000-1,000,000IU/mg.

