

## 32-1977: rNAP 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. NAP-2 Rat Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 62 amino acids and having a molecular mass of 6.8kDa.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 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.  
**Content :** NAP-2 protein was lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4.  
**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 :** IELRCRCTNT LSGIPLNSIS RVNVFRPGAH CDNVEIATL KNGKEVCLDP TAPMIKKIVK KI.

### Application Note

It is recommended to reconstitute the lyophilized NAP-2 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. Measured by its ability to chemoattract BaF3 mouse pro-B cells transfected with human CXCR2. The ED50 for this effect is less than 10ng/ml, corresponding to a specific activity of 100,000units/mg.

