

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 H₂O 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.

