

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 CDNVEVIATL 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.

