

Product Data Sheet

Cat # RP-1008

Recombinant Human Neutrophil Activating Protein-2 (CXCL7)

**Size:** 10 ug

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.

**SOURCE:**

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

**APPLICATION AND SUGGESTED  
DILUTIONS:**

Greater than 98.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. The specific activity as determined by the ability of NAP2 to

chemoattract human neutrophils using a concentration of 1-10 ng/ml. Users must optimize the appropriate concentration and conditions for each assay.

**STORAGE & 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. 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.

**USAGE:**

This item is for LABORATORY RESEARCH USE ONLY.

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