Human NAP 2 Recombinant Protein

RPPB1232

Product Information

Product SKU:
RPPB1232

Accession:
P02775

Host:
Escherichia Coli.

Protein Information

Protein description:
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.

Appearance:
Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:
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, SCYB7, THBGB, LA-PF4, THBGB1, Beta-TG, CTAPIII, CTAP-III.

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

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

Solubility:
It is recommended to reconstitute the lyophilized Neutrophil Activating Protein-2in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:
Lyophilized NAP-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL7should 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 Sequence:
The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Glu-Leu-Arg-Cys.

Biological Activity:
The specific activity as determined by the ability of NAP2 to chemoattract human neurotrophils using a concentration of 1-10ng/ml corresponding to a Specific Activity of 100,000-1,000,000IU/mg.