

Rat NAP 2 Recombinant Protein



RPPB1234

Product Information Protein Information

Product SKU:

RPPB1234

Accession:

Q99ME0

Host:

Escherichia Coli.

Protein description:

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.

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:

NAP-2 protein was lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, pH 7.4.

Purity:

Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:

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.

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.

Amino Acid Sequence:

IELRCRCTNT LSGIPLNSIS RVNVFRPGAH CDNVEVIATL KNGKEVCLDP TAPMIKKIVK KI.

Biological Activity:

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.