

Neutrophil Activating Protein-2 Human Recombinant (CXCL7)

Item Number	rAP-0238
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,
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.
Uniprot Accesion Number	P02775
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.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The CXCL7 protein was lyophilized from a concentrated (1mg/ml) sterile solution containing no additives. Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	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.
Biological Activity	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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**