

Cynomolgus NAP-2 / PPBP / CXCL7 Protein (Fc Tag)

Catalog Number: 90132-C04H



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

PPBP

Protein Construction:

A DNA sequence encoding the cynomolgus PPBP (F6SCP6) (Thr59-Asp128) was expressed fused with the Fc region of mouse IgG1 at the N-terminus.

Source: Cynomolgus

Expression Host: Human Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Asp

Molecular Mass:

The recombinant cynomolgus PPBP is a disulfide-linked homodimer. The reduced monomer comprises 306 amino acids and has a calculated molecular mass of 34.3 KDa. The apparent molecular mass of it is approximately 38 KDa respectively in SDS-PAGE.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

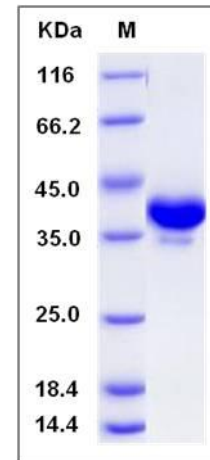
Usage Guide

Storage:

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

SDS-PAGE:



Reconstitution:

Detailed reconstitution instructions are sent along with the products.

Protein Description

Pro-platelet basic protein (PPBP) is also known as Chemokine (C-X-C motif) ligand 7 (CXCL7) and nucleosome assembly protein (Nap-2). This protein is a platelet-derived growth factor that belongs to the CXC chemokine family. CXCL7 / NAP-2 / PPBP / CXCL7 is released in large amounts from platelets following their activation. This growth factor is a potent chemoattractant and activator of neutrophils. CXCL7 / NAP-2 / PPBP / CXCL7 has been shown to stimulate various cellular processes including DNA synthesis, mitosis, glycolysis, intracellular cAMP accumulation, prostaglandin E2 secretion, and synthesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by synovial cells. Nap-2 is a ligand for CXCR1 and CXCR2, and Nap-2, Nap-2(73), Nap-2 (74), Nap-2(1-66), and most potent Nap-2(1-63) are chemoattractants and activators for neutrophils.

References

1. Walz A. et al., 1989, J Exp Med. 170 (5): 1745-50.
2. Walz A. et al., 1990, J Exp Med. 171 (2): 449-54.
3. Loetscher P. et al., 1994, FEBS Lett. 341 (2-3): 187-92.

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