

Recombinant Human CXCL7/NAP-2 Protein (Sumo Tag)

RPE8076



Product Information

Product SKU: RPE8076	Expression Host: E.coli	Size: 20µg
Tag: N-Sumo	Reactivity: Human	Accession: P02775

Additional Information

Calculated MW: 20.59 kDa	Observed MW: 25 kDa
Sequence: Ala59-Asp128	

Protein Information

Background: Pro-platelet basic protein (PPBP) is also known as Chemokine (C-X-C motif) ligand 7 (CXCL7) and nucleosome assembly protein (Nap-2). Nap-2 / PPBP / CXCL7 is released in large amounts from platelets following their activation and is a platelet-derived growth factor that belongs to the CXC chemokine family. This growth factor is a potent chemoattractant and activator of neutrophils. 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.

Synonyms: B-TG, CTAP, CXCL, SCYB, C-X-C Motif Chemokine, MDGFSmall-Inducible Cytokine B, LA-PF, NAP, PPBP, B-TG1, Beta-TG, CTAP-III, CTAP3, CTAPIII, CXCL7, LA-PF4, LDGF, MDGF, NAP-2, PBP, SCYB7, TC1, TC2, TGB, TGB1, THBGB, THBGB1, C-X-C Motif Chemokine 7, Leukocyte-Derived Growth Factor, Macrophage-Derived Growth Factor, MDGFSmall-Inducible Cytokine B7, NAP2, Platelet Basic Protein, βTG, B TG1, Beta TG, Beta thromboglobulin, beta-1, Chemokine (C X C motif) ligand 7, Connective tissue activating peptide III, CTAP 3, CTAP III, CTAP-III(1-81), CXC chemokine ligand 7, CXCL 7, LA PF 4, Leukocyte derived growth factor, Low-affinity platelet factor IV, NAP

Contact Details | Dublin, Ireland

Email: techsupport@assaygenie.com | Web: www.assaygenie.com

Copyright © 2024 Assay Genie Ltd, All Rights Reserved. All information / detail is correct at time of going to print.

2, NAP-2(1-63), NAP-2(1-66), NAP-2(73), NAP-2(74), Neutrophil activating peptide 2, Neutrophil-activating peptide 2(1-63), Pro platelet basic protein, Pro platelet basic protein (chemokine (C-X-C motif) ligand 7), Pro-Platelet basic protein, Small inducible cytokine subfamily B member 7, Small-inducible cytokine B7, Thrombocidin 1, Thrombocidin 2, Thromboglobulin, β TG, PBP, CXCL7, NAP2, β -thromboglobulin

Endotoxin:

< 10 EU/mg of the protein as determined by the LAL method

Formulation:

Lyophilized from a 0.2 μ m filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity:

> 90% as determined by reducing SDS-PAGE.

Bio-Activity:

Not validated for activity

Storage:

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.