

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

RPE8105



Product Information

Product SKU: RPE8105	Expression Host: E.coli	Size: 20µg
Tag: N-Trx	Reactivity: Human	Accession: P02775

Additional Information

Calculated MW: 27.6 kDa	Observed MW: 30 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

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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.