Recombinant Rat CXCL7 Protein (Trx Tag)

RPES8218

Product Information

Product SKU:	RPES8218	**Expression Host**:	E.coli	**Size**:	20µg
Tag:	N-Trx	**Reactivity**:	Rat	**Accession**:	A6KKE5

Additional Information

Calculated MW:	28.1 kDa	**Observed MW:**	30 kDa
Sequence:	Lys38-Tyr111		

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 TG1, Beta TG, Beta thromboglobulin, Beta-TG, C-X-C motif chemokine 7, Chemokine (C X C motif) ligand 7, Connective tissue activating peptide III, CTAP 3, CTAP III, CTAP-III, CTAP-III(1-81), CTAP3, CTAPIII, CXC chemokine ligand 7, CXCL 7, CXCL7, CXCL7_HUMAN, LA PF 4, LA-PF4, LDGF, Leukocyte derived growth factor, Leukocyte-derived growth factor, Low-affinity platelet factor IV, Macrophage-derived growth factor

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

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

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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.

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