

Recombinant human Platelet basic protein

Catalog No: #AP72053



Package Size: #AP72053-1 20ug #AP72053-2 100ug #AP72053-3 1mg

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Description

Product Name	Recombinant human Platelet basic protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:59-125aaSequence Info:Partial
Other Names	C-X-C motif chemokine 7Leukocyte-derived growth factor ;LDGFMacrophage-derived growth factor ;MDGFSmall-inducible cytokine B7
Accession No.	P02775
Uniprot	P02775
GeneID	5473;
Calculated MW	34.4 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	AELRCMCIKTTSGIHPKNIQSLEVIGKGTGHCNQVEVIATLKDGRKICLDPDAPRIKKIVQKLAGDE
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

LA-PF4 stimulates 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 human 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. TC-1 and TC-2 are antibacterial proteins, in vitro released from activated platelet alpha-granules. CTAP-III(1-81) is more potent than CTAP-III desensitize chokine-induced neutrophil activation.

References

Cloning of cDNA coding for connective tissue activating peptide III from a human platelet-derived lambda gt11 expression library.Wenger R.H., Wicki A.N., Walz A., Kieffer N., Clemetson K.J.Blood 73:1498-1503(1989)Research Topic:Immunology

Note: This product is for in vitro research use only