PF-4 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Platelet Factor-4, CXCL4, Oncostatin A, Ironplact

Cat. No.:

RBG10272005	(5 µg)
RBG10272020	(20 µg)
RBG10272100	(100 µg)

Description

PF-4 is a CXC chemokine that is expressed in megakaryocytes and stored in the alpha-granules of platelets. PF-4 is chemotactic towards neutrophils and monocytes, and has been shown to inhibit angiogenesis. Recombinant Human PF-4 is a 7.8 kDa protein containing 70 amino acid residues, including the four highly conserved residues present in CXC chemokines.

Research topic

Cardiovascular disease, Chemokines, Coronary artery disease, Cytokines and chemokines and related molecules

Amino Acid Sequence

EAEEDGDLQC LCVKTTSQVR PRHITSLEVI KAGPHCPTAQ LIATLKNGRK ICLDLQAPLY KKIIKKLLES

Source

E. coli

Purity

98%

Biological Activity

Determined by its ability to chemoattract human fibroblasts using a concentration range of 1.0-10.0 ng/ml.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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