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Datasheet for ABIN2018316 PF4 Protein (AA 32-101)

Overview

Quantity:	50 µg
Target:	PF4
Protein Characteristics:	AA 32-101
Origin:	Human
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 10 µg/mL, measured by its ability to inhibit human FGF-basic-dependent proliferation of NR6R 3T3 mouse fibroblast cells.
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	PF4
Alternative Name:	Platelet Factor 4/CXCL4 (PF4 Products)
Background:	Platelet factor 4, also known as CXCL4, is expressed in megakaryocytes and stored in the alpha-granules of platelets. 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. Platelet factor 4 can be antiproliferative and antiangiogenic, at least in part via interfering with FGF2 and

Target Details

VEGF heparin binding and thus inhibiting their signaling. However, it can also be proinflammatory and proatherogenic through multiple effects on monocytes, macrophages and endothelial cells.

Synonyms: PF-4, CXCL4, SCYB4, Platelet Factor-4, CXCL4, Oncostatin A, Ironplact

Molecular Weight: -7.8 kDa, observed by non-reducing SDS-PAGE.

UniProt: [P02776](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant human platelet factor 4 remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, human platelet factor 4 should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Expiry Date: 6 months