

## Product Datasheet

### Recombinant PF-4/CXCL4, Human (orb1494626)

<b>Description</b>	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 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.
<b>Endotoxins</b>	< 0.2 EU/ $\mu$ g, determined by LAL method.
<b>Preservatives</b>	Lyophilized after extensive dialysis against PBS.
<b>Form/Appearance</b>	Lyophilized after extensive dialysis against PBS.
<b>Storage</b>	Lyophilized recombinant human platelet factor 4 remains stable up to 6 months at $-80^{\circ}\text{C}$ from date of receipt. Upon reconstitution, human platelet factor 4 should be stable up to 1 week at $4^{\circ}\text{C}$ or up to 2 months at $-20^{\circ}\text{C}$ .
<b>Note</b>	For research use only
<b>Application notes</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 $\mu$ g/ml.
<b>Protein Sequence</b>	EAEEDGDLQCLCVKTTSQVRPRHITSLEVIKAGPHCPTAQLIATLKNRKCICLDLQAPLYKKII KKLLES
<b>Purity</b>	> 95% as analyzed by SDS-PAGE and HPLC.
<b>Source</b>	HEK 293
<b>MW</b>	~7.8 kDa, observed by non-reducing SDS-PAGE.
<b>Expiration Date</b>	6 months from date of receipt.

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