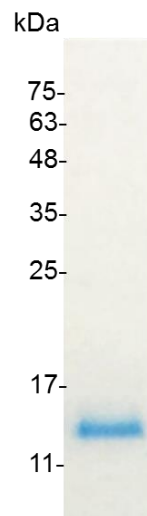


**CXCL4 (C-X-C motif chemokine 4), Human**

v. 231001

<b>Catalog number</b>	C01130-5UG / C01130-20UG / C01130-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	<p>CXCL4, also known as platelet factor 4 (PF-4), is one of the most plentiful platelet chemokines. Depending on the cell type, CXCL4 may have several biological functions. CXCL4 is mainly produced in megakaryocytes, released from the α-granules of platelets as a tetramer at micromolar concentrations depending on platelet activation. CXCL4 has both procoagulant and anticoagulant activities, thereby can bind heparin and neutralize the anticoagulant effect of heparin. In addition, CXCL4 also has functions such as inhibiting factor XII, and vitamin K dependent coagulation factor, and stimulating activated protein C generation. As a strong tumor inhibitor, CXCL4 can inhibit endothelial cell migration, proliferation, and in vivo angiogenesis through interfering with the angiogenic effect of growth factors such as FGF and VEGF.</p>
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	EAEEDGDLQCLCVKTTTSQVRPRHITSLEVIKAGPHCPTAQLIATLKNRKLCLDLQAPLYKKIILKLLLES with polyhistidine tag at the N-terminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to inhibit human FGF-2-induced proliferation in HUVEC cells. The ED <sub>50</sub> for this effect is <5 µg/mL.
<b>Purity</b>	>98% as determined by SDS-PAGE.
<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Stability &amp; Storage</b>	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> <li>-20°C for 12 months in lyophilized state from date of receipt.</li> <li>-20°C or -80°C for 1 month under sterile conditions after reconstitution.</li> </ul> <p>Avoid repeated freeze/thaw cycles.</p>



SDS-PAGE analysis of recombinant human CXCL4

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