

PRODUCT INFORMATION

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

Catalog number	C01130-5UG / C01130-20UG / C01130-100UG
Package	5 µg / 20 µg / 100 µg
Description	<p>CXCL4, also known as platelet factor 4 (PF-4), is one of the most plentiful platelet chemokines. Depending on the cell type, CSCL4 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>
Source	<i>Escherichia coli</i>
Sequence	EAEEDGDLQCLCVKTTTSQVRPRHITSLEVIKAGPHCPTAQLIATLKNRGIKLDLQAPLYKKIHKLLLES with polyhistidine tag at the N-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to inhibit human FGF-2-induced proliferation in HUVEC cells. The ED ₅₀ for this effect is <5 µg/mL.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant human CXCL4

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