

CHAMOT

Recombinant CXCL4, Human, Animal-Free

CM162-5HP

CM162-20HP

CM162-100HP

CM162-500HP

CM162-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



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Recombinant CXCL4, Human, Animal-Free

Catalog#	CM162-5HP	CM162-20HP	CM162-100HP	CM162-500HP	CM162-1000HP
Size	5 ug	20 ug	100 ug	500 ug	1 mg

Product Specifications

Background	C-X-C motif chemokine 4 (CXCL4) also named platelet factor 4 (PF4), which is a chemokine of the intercrine alpha family. CXCL4 is a 8kDa protein containing 70 amino acid residues. CXCL4 is produced by the activated platelets which plays an important role in immune responses. CXCL4 inhibit the cell proliferation, platelet aggregation and wound repair. CXCL4 also suppresses the hematopoiesis.
Synonyms	C-X-C motif chemokine 4, Platelet Factor-4, PF-4, Oncostatin A, Ironplact
Uniprot ID	P02776
Molecular Weight	The protein has a calculated MW of 8.58 kDa. The protein migrates as 14 kDa under reducing condition (SDS-PAGE analysis).
Expression System	Escherichia coli
Purity	>98% as determined by SDS-PAGE.
Activity	Measure by its ability to inhibit human FGF-2-induce proliferation in HUVEC cells. The ED ₅₀ for this effect is <5 µg/mL.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.
Protein Sequence	EAEEDGDLQCLCVKTTSQVRPRHITSLEVIKAGPHCPTAQLIATLKNRGIKICLDLQAPLYKKIIKKLLES with polyhistidine tag at the N-terminus.
Form	The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.
Application	Cell Culture

Product Note

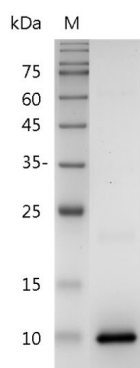
Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for

at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

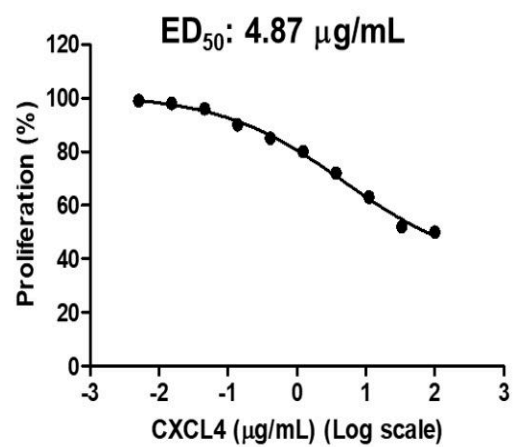
Storage/Shipping

Stability & Storage	Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.
Shipping	Blue Ice

Scientific Data



SDS- PAGE analysis of recombinant human CXCL4



Human CXCL4, His Tag, E. coli inhibited human FGF-2-induced HUVEC cell proliferation, with the ED₅₀ at 4.87 µg/mL.

For Research Use or Further Manufacturing Only

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