Recombinant Human CXCL4 (PF4)

Cat No:HR2R1317

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	PF4
Gene ID	5196
Accession	P02776
Alternative Name	C-X-C motif chemokine 4, Iroplact, Oncostatin-A, CXCL4, SCYB4 Recombinant Human Platelet Factor 4 (PF4)
Species	Human
Source	E. coli
Description	Platelet factor 4 (PF4/CXCL4) is an ELR? tetrameric, cationic chemokine that constitutes 25% of the protein in platelet alpha-granules. It is also found bound to the luminal vascular endothelial surface. Although platelets represent the primary source of PF4, it is also expressed at lower levels in other cells of the immune system including cultured T cells, monocytes, and endothelial and smooth muscle cells.
Functions	Determined by its ability to inhibit human FGF-basic-dependent proliferation of NR6R-3T3 mouse fibroblasts. The ED50 for this effect is typically 5-15 ?g/mL.
Formulation	Recombinant PF4/CXCL4 was lyophilized from a 0.2 ?m filtered concentrated (1.0 mg/mL) solution in 20 mM PB,1.5 M NaCl pH 7.4.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	8
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.