



# Recombinant Human PF-4 (CXCL4)

20150227BB



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>100-093S</b>
Size:	5 µg
Lot. No.:	According to product label

### Sequence

EAEEDGDLQC LCVKTTTSQVR PRHITSLEVI KAGPHCPTAQ  
LIATLKNRGRK ICLDLQAPLY KKIICKLLES

### Database References

<b>Protein RefSeq:</b>	NP_002610.1
<b>Uniprot ID:</b>	P02776
<b>mRNA RefSeq:</b>	NM_002619.2

## Scientific Background

<b>Gene-ID (NCBI):</b>	5196
<b>Synonyms:</b>	PF4; PF-4; CXCL4; SCYB4

PF-4 is a CXC chemokine that is expressed in megakaryocytes and stored in the  $\alpha$ -granules of platelets. PF-4 is chemotactic towards neutrophils and monocytes and has been shown to inhibit angiogenesis. 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.

## Product Specifications

<b>Expressed in</b>	E. coli
<b>Purity</b>	> 98% by SDS-PAGE & HPLC analyses
<b>Endotoxin level</b>	< 0.1 ng /µg of protein (<1EU/µg).
<b>Formulation</b>	lyophilized
<b>Length (aa):</b>	70
<b>MW:</b>	7.8 kDa

**Biological Activity:** Determined by its ability to chemoattract human fibroblasts using a concentration range of 1.0-10.0 ng/ml.



**AVOID REPEATED FREEZE AND THAW CYCLES!**