

## PF4

### Recombinant Human Platelet Factor 4

<b>Catalog No.</b>	CSI19812A	<b>Quantity:</b>	100 µg
	CSI19812B		200 µg
	CSI19812C		1.0 mg

**Alternate Names:** Platelet factor 4, PF-4, C-X-C motif chemokine 4, Iroplact, Oncostatin-A

**Description:** Platelet Factor 4 is synthesized in megakaryocytes and platelets. Depending on the protein concentration and buffer conditions, PF4 appears as a mono-, di-, tri-, or tetramer. PF4 is biologically active in the tetrameric form, promotes blood coagulation and is also important in wound healing and inflammation. PF4, together with heparin (PF4-heparin complex) is an important antigen of antibodies inducing heparin-induced thrombocytopenia (HIT). Purified PF4 is used in several laboratory tests for the detection of HIT antibodies.

**UniProt ID:** P02776

**Source:** *E. coli*

**Molecular Weight:** 7.8 kDa monomer

**Formulation:** Lyophilized from sterile filtered PBS, carrier free. HBSS and 1.6 M NaCl by request.

**Purity:** >95% by SDS-PAGE, silver staining

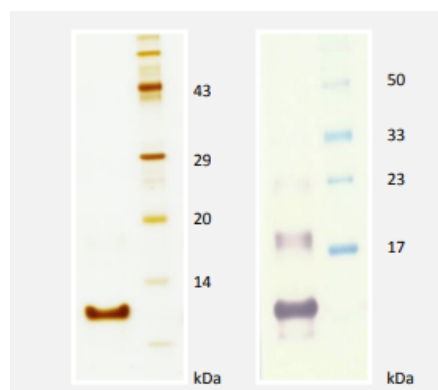
**Identity:** Heparin-induced thrombocytopenia (HIT) ELISA, Western blot, N-terminal sequencing, MALDI-TOF-MS

**Amino Acid Sequence:** MEAEEDGDLQCLCVKTTTSQVRPRHITSLEVIKAGPHCP  
TAQLIATLKNGRKICLDLQAPLYKKIIKKLLES

**Reconstitution:** **Centrifuge vial prior to opening.** Add sterile distilled water to the vial to a concentration of 1.0 mg/ml. Mix gently and allow time for complete solubilization.

**Storage & Stability:** Store unopened at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare aliquots and store at -20°C to -80°C. **Avoid repeated freeze-thaw cycles.**

SDS-PAGE & Western Blot



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