

**Recombinant *Sus scrofa* (pig) Platelet Factor 4 (PF4), Transfected HEK293 Cell Lysate****Source**

<b>Species</b>	Sus scrofa (pig)
<b>Accession Number</b>	P30034
<b>Gene Symbol</b>	PF4
<b>Expressed Region</b>	Gln1-Ala90
<b>Synonyms</b>	Platelet factor 4, Chemokine (C-X-C Motif) Ligand 4, C-X-C Motif Chemokine 4, Oncostatin-A, Iroplact, CXCL4, SCYB4, PF-4.

**Preparation**

<b>Expression System</b>	Human embryonic kidney 293 (HEK293) cells
<b>Tag</b>	N-terminal his-tag
<b>Purity</b>	Unpurified cell lysate. HEK293 cells transfected with expression vectors harboring target gene were harvested and washed with PBS twice. The cell pastes were re-suspended with ice-cold PBS containing mammalian cell protease inhibitor cocktail and further lysed with freeze-thaw cycles. After clarifying with 20,000 g centrifugation at 4°C for 30 min, the lysate was aliquoted, lyophilized, and stored at -80°C immediately. Protein concentration was determined by BCA kit (Thermo Scientific, Inc.) using BSA as protein standard. The gene overexpression in lysate was confirmed by Western blotting using anti-His tag antibody and/or target-specific antibodies and the lysate derived from HEK293 cells transfected with the empty expression vector was used as a negative control.
<b>Molecular Weight</b>	Recombinant protein product has a calculated molecular mass of 10. The actual molecular weight may increase slightly due to the potential post-translational modifications (PTMs).

**Protein Specifications**

<b>Format</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized from a 0.2 um filtered solution in PBS (pH 7.4) containing mammalian cell protease inhibitor cocktail
<b>Concentration</b>	Determined by BCA protein assay
<b>Reconstitution</b>	Briefly spin the vial and bring the contents to the bottom prior to opening. It is recommended to reconstitute at 0.5 - 1 mg/mL with sterile deionized water.

**Shipping**

Ice packs. Including one vial of HEK293 cell lysate transfected with empty expression vector.

**Storage/Stability**

Upon arrival, the lyophilized protein may be stored for 2 weeks at 4°C. For long term storage, it is recommended to store desiccated below -20 °C in a manual defrost freezer. Following reconstitution, the protein may be stored for 2 weeks under sterile conditions at -20 °C. For long term storage, it is recommended to make appropriate aliquots and store at -80 °C. Avoid repeated freeze-thaw cycles.

This product is furnished for LABORATORY RESEARCH USE ONLY.

Not for diagnostic or therapeutic use.