Active Recombinant Human PGF, mFc-tagged

Cat. No. PGF-28H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human PGF (Met1-Arg170) was expressed with the Fc region of mouse IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Arg170
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1. Immobilized human PGF-mFc at 10 μg/mL (100 μL/well) can bind human VEGFR1-His. The EC50 of human VEGFR1-His is 0.19-0.43 μg/mL. 2. Labeled biotin to PLGF / PGF Protein, Human, Recombinant (Fc Tag) by a certain molar ratio; Using the Octet RED System, the affinity constant (Kd) of PLGF / PGF Protein, Human, Recombinant (Fc Tag), Biotinylated bound to Conbercept was 4.5 nM.
Molecular Mass	The recombinant human PGF consists 386 amino acids and predicts a molecular mass of 43.7 kDa.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	PGF placental growth factor [Homo sapiens]
Official Symbol	PGF
Synonyms	PGF; placental growth factor; PGFL, placental growth factor, vascular endothelial growth factor related protein , placental growth factor like; placenta growth factor; D12S1900; PlGF; PLGF; PlGF 2; SHGC 10760; placental growth factor-like; placental growth factor, vascular endothelial growth factor-related protein; PGFL; PlGF-2; SHGC-10760;
Gene ID	5228
mRNA Refseq	NM_001207012
Protein Refseq	NP_001193941
MIM	601121
UniProt ID	P49763

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA