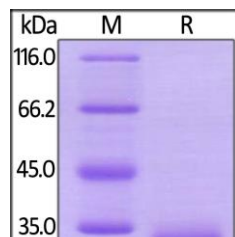


Human CellExp™ PLGF / PGF, Rhesus macaque Recombinant

CATALOG NO:	P1393-10 10 µg P1393-50 50 µg
ALTERNATE NAMES:	PGF, PLGF, PIGF2, PIGF, PGFL, SHGC-10760
MOL. WT.	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 19.3 kDa. The protein migrates as 28-34 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
SOURCE:	HEK 293 cells
PURITY:	>90% as determined by SDS-PAGE
ENDOTOXIN:	Less than 1.0 EU per µg by the LAL method
FORM:	Lyophilized
FORMULATION:	Lyophilized from 0.22 µm filtered solution in 100 mM Acetic Acid, pH2.5. Normally trehalose is added as protectant before lyophilization.
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water. Do not vortex. It is recommended to store at -20°C.
SPECIFIC ACTIVITY:	Immobilized Rhesus macaque VEGF R1, Mouse IgG2a Fc Tag at 5 µg/mL (100 µL/well) can bind Rhesus macaque PLGF with a linear range of 2-40 ng/mL
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles. -20°C
DESCRIPTION:	Placental growth factor (PGF) is also known as vascular endothelial growth factor-related protein, PLGF and PIGF2, is a member of the VEGF (vascular endothelial growth factor) sub-family - a key molecule in angiogenesis and vasculogenesis, in particular during embryogenesis. The main source of PGF during pregnancy is the placental trophoblast. PGF is also expressed in many other tissues, including the villous trophoblast. PGF is active in angiogenesis and endothelial cell growth, stimulating their proliferation and migration. PIGF2 binds NRP1/neuropilin-1 and NRP2/neuropilin-2 in a heparin-dependent manner. Also promotes cell tumor growth.
AMINO ACID SEQUENCE:	AA Leu 19 - Arg 170

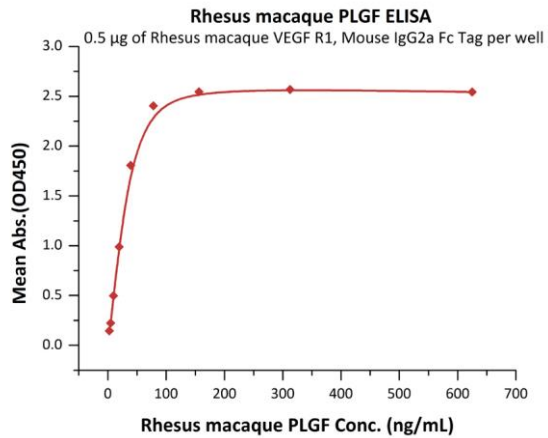


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Rhesus macaque PLGF on SDS-PAGE under reducing (R) condition.





Immobilized Rhesus macaque VEGF R1, Mouse IgG2a Fc Tag at 5 µg/mL (100 µL/well) can bind Rhesus macaque PLGF with a linear range of 2-40 ng/mL

RELATED PRODUCTS:

Human CellExp™ PLGF/PlGF2/PGF, human recombinant (7238)
PLGF-2, human recombinant (4741)
PLGF, murine recombinant (4743)
PLGF-1, human recombinant (4739)

FOR RESEARCH USE ONLY! Not to be used on humans.

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