

Datasheet for ABIN2745802

PLGF Protein

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Overview

Quantity:	5 µg
Target:	PLGF (PGF)
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	PLGF (human) (rec.)
Cross-Reactivity:	Human
Characteristics:	Human PLGF (131aa).
Purity:	>95 % (SDS-PAGE)
Biological Activity Comment:	Measured by its ability to bind to immobilized rhsFlt-1 in a functional ELISA. Recombinant human PLGF can bind to immobilized rhsFlt-1 (100ng/well) with a linear range at 0.5-10ng/ml.

Target Details

Target:	PLGF (PGF)
Alternative Name:	PLGF (PGF Products)
Background:	Placenta Growth Factor, PLGF-1, PLGF-131

Target Details

Human placenta growth factor-1 (PLGF-1, PLGF) binds to the receptor FLT1/VEGFR-1. It acts as a potent chemoattractant for monocytes and only as a very weak mitogen for some endothelial cell types. The physiological function in vivo is still controversial. In several reports it was shown not to be a potent mitogen for endothelial cells and not angiogenic in vivo by using different assays. It was shown that PLGF from cell culture supernatants was angiogenic in the CAM assay and in the rabbit cornea assay.

Molecular Weight: ~34kDa (dimer)

UniProt: [P49763](#)

Pathways: [VEGFR1 Specific Signals](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with 50 mM acetic acid or PBS/water. This solution can be diluted into other buffered solutions or stored frozen for future use.

Handling Advice: After reconstitution, prepare aliquots and store at -20 °C. Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C

Long Term Storage: -20°C

Use & Stability: Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months