

PLGF Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P78337
Synonyms:	PLGF; PGF; PGFL; SHGC-10760; D12S1900; PLGF-2
Species:	Mouse
Source:	HEK293
Accession:	P49764 (V19-P158)
Gene ID:	18654
Molecular Weight:	55-65 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	<p>The PLGF Protein, a growth factor integral to angiogenesis and endothelial cell growth, exhibits stimulatory effects on both proliferation and migration of these cells. Functioning through its binding to the FLT1/VEGFR-1 receptor, PLGF plays a crucial role in orchestrating angiogenic processes. Additionally, it contributes to tumor growth, emphasizing its involvement in pathological angiogenesis. Structurally, PLGF exists as an antiparallel homodimer, connected by disulfide linkages. Furthermore, it can form heterodimers with VEGFA/VEGF, suggesting a dynamic role in the regulation of vascular growth and function. The multifaceted actions and structural arrangements of PLGF underscore its significance in modulating vascular processes and tumor development.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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