

PLGF-1/PGF Protein, Human, Recombinant (aa 19-149)

General Information

Synonyms:	PLGF;PGFL;placental growth factor;D12S1900;SHGC-10760;PLGF-2
Protein Construction:	A DNA sequence encoding the human PGF (NP_001193941.1) (Leu19-Arg149) was expressed with an initial Met. Predicted N terminal: Met
Species:	Human
Expression Host:	E. coli
Accession:	P49763-2
Molecular Weight:	14.9 kDa (predicted)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90 % as determined by SDS-PAGE.
Endotoxin:	Please contact us for more information.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

Reconstituted with sterile deionized water to 0.25 mg/mL. Reconstitution conditions may vary depending on the lot.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Reference

Nagy JA, et al. (2003) VEGF-A(164/165) and PLGF: roles in angiogenesis and arteriogenesis. Trends Cardiovasc Med. 13(5): 169-75.

Chaballe L, et al. (2011) Placental growth factor: a tissue modelling factor with therapeutic potentials in neurology? Acta Neurol Belg. 111(1): 10-7.

Odorisio T, et al. (2006) The placental growth factor in skin angiogenesis. J Dermatol Sci. 41(1): 11-9.

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