

## Product datasheet for **TP723864**

### PLGF (PGF) (NM\_002632) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human placental growth factor (PGF / PLGF-1), transcript variant 1
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Human PLGF, the region of Ala21-Arg149, from gene Accession# NM_002632
Tag:	Tag Free
Predicted MW:	14.5 kDa
Concentration:	lot specific
Purity:	>95%, as determined by Coomassie stained SDS-PAGE.
Buffer:	5 mM citric acid, 0.15 M NaCl, 5 mM NaHPO <sub>4</sub> , pH 4.0
Bioactivity:	The ED50 is 1-3 ng/ml, corresponding to a specific activity of 0.33 - 1 x 10 <sup>6</sup> units/mg, determined by the dose dependent binding to VEGFR1-Fc chimera using a functional ELISA.
Endotoxin:	Less than 0.01 ng per µg protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	<a href="#">NP_002623</a>
Locus ID:	5228
UniProt ID:	<a href="#">P49763</a> , <a href="#">Q53XY6</a> , <a href="#">Q86TW6</a>
RefSeq Size:	1758
Cytogenetics:	14q24.3
RefSeq ORF:	510
Synonyms:	D12S1900; PGFL; PIGF; PLGF; PIGF-2; SHGC-10760



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**Summary:** This gene encodes a growth factor found in placenta which is homologous to vascular endothelial growth factor. Alternatively spliced transcripts encoding different isoforms have been found for this gene.[provided by RefSeq, Jun 2011]

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** Bladder cancer, Focal adhesion, mTOR signaling pathway, Pancreatic cancer, Pathways in cancer, Renal cell carcinoma

**Product images:**

