

Product datasheet for **TP300443**

PLGF (PGF) (NM_002632) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human placental growth factor (PGF), full length, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200443 representing NM_002632 Red =Cloning site Green =Tags(s)
	MPVMRLFPCFLQLLAGLALPAVPPQQWALSAGNGSSEVEVVPFQEWWGRSYCRALERLVDWSEYPSEVE HMFSPSCVSLLRCTGCCGDENLHCVPVETANVTMQLLKIRSGDRPSYVELTFSQHVRCECRPLREKMKPE RRRPKGRGKRRREKQRPTDCHLCGDAVPRR
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	Myc-DDK
Predicted MW:	19.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_002623</u>
Locus ID:	5228
UniProt ID:	<u>P49763</u> , <u>Q53XY6</u> , <u>Q86TW6</u>
RefSeq Size:	1758
Cytogenetics:	14q24.3



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RefSeq ORF:	510
Synonyms:	D12S1900; PGFL; PIGF; PLGF; PIGF-2; SHGC-10760
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:

Coomassie blue staining of purified PGF protein (Cat# TP300443). The protein was produced from HEK293T cells transfected with PGF cDNA clone (Cat# [RC200443]) using MegaTran 2.0 (Cat# [TT210002]).