

Product datasheet for TP300443L

OriGene Technologies, Inc.

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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, 1 mg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC200443 representing NM_002632 or AA Sequence: Red=Cloning site Green=Tags(s)

MPVMRLFPCFLQLLAGLALPAVPPQQWALSAGNGSSEVEVVPFQEVWGRSYCRALERLVDVVSEYPSEVE 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: NP 002623

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

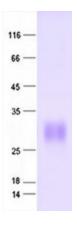
been found for this gene.[provided by RefSeq, Jun 2011]

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]).