

Product datasheet for DA3510

Placenta growth factor / PGF (Isoform PIGF-2) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Placenta growth factor / PGF (Isoform PIGF-2) human recombinant protein, 5 µg
Species:	Human
Expression Host:	Insect
Expression cDNA Clone or AA Sequence:	LPAVPPQWA LSAGNGSSEV EVVPFQEVWG RSYCRALERL VDVVSEYPSE VEHMFSPSCV SLLRCTGCCG DENLHCVPVE TANVTMQLLK IRSGDRPSYV ELTFSQHVRC ECRPLREKMK PERRRPKGRG KRRREKQRPT DCHLCGDAVP RR
Predicted MW:	~ 45 kDa
Purity:	>90% pure by SDS-PAGE and visualised by silver stain.
Buffer:	Presentation State: Purified State: Lyophilized purified protein. Buffer System: 50 mM Acetic Acid with BSA (50-fold) as stabilizer.
Bioactivity:	Biological: Measured by its ability to bind to immobilized recombinant Human sFlt-1 in a functional ELISA. Recombinant human PIGF-2 can bind to immobilized rh sFlt-1 (100 ng/well) with a linear range at 0.5-10 ng/ml.
Endotoxin:	0.1 ng per µg of PIGF-2
Reconstitution Method:	Restore with 50 mM Acetic Acid or PBS/Water. Centrifuge vial before opening!
Preparation:	Lyophilized purified protein.
Protein Description:	Recombinant Human Placenta Growth Factor-2 / PIGF-2. Result by N-terminal sequencing: LPAVPPQWA Length (aa): 152
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001193941



[View online »](#)

Locus ID:	5228
UniProt ID:	P49763 , Q86TW6
Cytogenetics:	14q24.3
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