

Product datasheet for DA3508X

Placenta growth factor / PGF Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Placenta growth factor / PGF human recombinant protein, 20 µg
Species:	Human
Expression Host:	Insect
Predicted MW:	34 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 rh-sFlt-1 in a functional ELISA. Recombinant human PIGF-1 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-1.
Reconstitution Method:	Restore with 0.1M Acetic Acid or PBS. This solution can be diluted into other buffered solutions or stored frozen for future use
Preparation:	Lyophilized purified protein.
Protein Description:	Recombinant Human PIGF-1.
Note:	Centrifuge vials before opening!
Storage:	Store lyophilized Human PIGF-1 at -20°C. Reconstituted PIGF-1 should be stored in working aliquots at -20°C to -70°C. Avoid repeated freeze-thaw cycles!
Stability:	Shelf life: One year from despatch.
RefSeq:	<u>NP_001193941</u>
Locus ID:	5228
UniProt ID:	<u>P49763</u> , <u>Q86TW6</u>
Cytogenetics:	14q24.3
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