

PIGF active protein

Recombinant Human PIGF

CATALOG #
AAA214308

HOST
E Coli

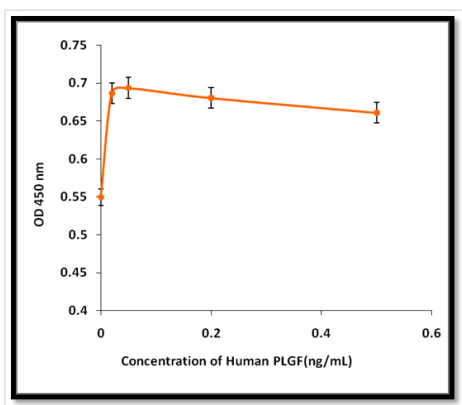
PRODUCT SYNONYMS

PIGF; Recombinant Human PIGF; PGF; PGLF; PIGF active protein

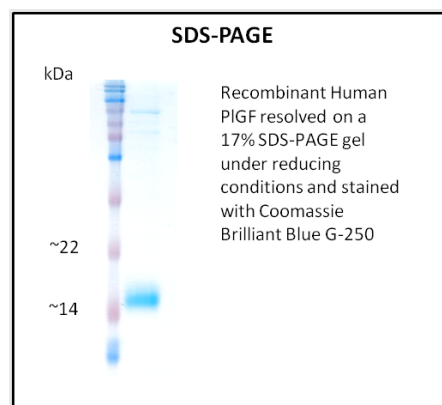
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in Citrate, phosphate and NaCl (pH 4.0)
Sequence Length	149
Bioactivity	The ED50 was found to be <0.2ng/ml using dose dependent proliferation of trophoblast cells.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution in PBS to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for PIGF active protein	Human PIGF, or Placental Growth Factor, is part of the PDGF/VEGF family and contains the 8 cysteine residues conserved in the family. It can be alternately spliced into three different mature forms. PGF is typically found as a disulfide linked dimer which is highly glycosylated. It is a key molecule involved in vasculogenesis and angiogenesis, especially during embryogenesis. It also induces the activation of monocytes, as well as their migration and production of inflammatory cytokines. It is primarily expressed by the placental trophoblast during pregnancy, but is also expressed in villous trophoblasts, decidual cells, erythroblasts, keratinocytes, and somewhat in endothelial cells. PGF signals by binding VEGF R1, and competes with VEGF for binding. Recombinant PIGF is a 15.0 kDa protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	333033785
NCBI GeneID	5228
NCBI Accession #	NP_001193941.1
NCBI GenBank Nucleotide #	NP_001193941.1
UniProt Accession #	P49763
Molecular Weight	15.0 kDa
NCBI Official Full Name	placenta growth factor isoform 2
NCBI Official Synonym Full Names	placental growth factor
NCBI Official Symbol	PGF
NCBI Official Synonym Symbols	PGFL; PIGF; PLGF; PIGF-2; D12S1900; SHGC-10760
NCBI Protein Information	placenta growth factor
UniProt Protein Name	Placenta growth factor
UniProt Gene Name	PGF
UniProt Synonym Gene Names	PGFL; PLGF; PIGF
UniProt Entry Name	PLGF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/plgf/214308>