

PIGF-2 active protein

Recombinant human PIGF-2 protein

CATALOG # AAA48996	HOST HEK293	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

PIGF-2; Recombinant human PIGF-2 protein; placental growth factor; placenta growth factor isoform 1; PGF; D12S1900; PGFL; PIGF; PLGF; PIGF-2; SHGC-10760; PIGF-2 active protein

PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	0.5mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	19-170aa
Sequence	Leu19 L PAVPPQQWAL SAGNGSSEVE VVPFQEVWGR SYCRALERLV DVVSEYPSEV EHMFPSPSCVS LLRCTGCCGD ENLHCVPVET ANVTMQLLKI RSGDRPSYVE LTFSQHVRCE CRPLREKMKP ERRRPKGRGK RRREKQRPTD CHLCGDAVPR R
Applicable Applications for PIGF-2 active protein	Bioactivity, SDS-PAGE
Species	Human
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Tag	His-Tag
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

ADDITIONAL INFORMATION

Related Product Information for PIGF-2 active protein	PIGF-2, as know as placenta growth factor, is a member of the VEGF sub-family that a key molecule in angiogenesis and vasculogenesis, in particular during embryogenesis. It is ultimately associated with angiogenesis. Specifically, it plays a role in trophoblast growth and differentiation. Also it is a potential biomarker for preeclampsia, a condition in which blood vessels in the placenta are too narrow, resulting in high blood pressure. Under normal physiologic conditions, it is also expressed at a low level in other organs including the heart, lung, thyroid, and skeletal muscle. Recombinant human PIGF-2, fused to His-tag at C-terminus, was expressed in HEK293 and purified by using conventional chromatography techniques.
Product Categories/Family for PIGF-2 active protein	Angiogenesis, Cardiovascular ; Proteins
References	Asma Khalil., et al, (2008) PLoS One. 3:e2766. Khurana R., et al, (2005) Circulation. 111:2828-2836.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20149543
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NCBI GeneID	5228
NCBI Accession #	NP_002623.2
NCBI GenBank Nucleotide #	NM_002632.5
UniProt Accession #	P49763; Q07101; Q9BV78; Q9Y6S8
Molecular Weight	24,789 Da
NCBI Official Full Name	placenta growth factor isoform 1
NCBI Official Synonym Full Names	placental growth factor
NCBI Official Symbol	PGF
NCBI Official Synonym Symbols	PGFL; PLGF; PIGF-2; D12S1900; SHGC-10760
NCBI Protein Information	placenta growth factor; placental growth factor, vascular endothelial growth factor-related protein
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/hek293-active-protein/pigf-2/48996>