

PIGF active protein

Mouse PIGF

CATALOG # AAA79311	HOST Insect Cells	REACTIVITY Mouse
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PRODUCT SYNONYMS

PIGF; Mouse PIGF; Recombinant Mouse Placenta Growth Factor; Placenta Growth Factor; PIGF active protein

PRODUCT SPECIFICATIONS

Host	Insect Cells
Reactivity	Mouse
Purity/Purification	> 95% by SDS-PAGE & silver stain
Form/Format	Freeze dried
Sequence	N-Terminal Sequence: A LSAGNNSTE A NDAGNNSTE
Sequence Length	135 / 132
N Terminal Sequence	ALSAGNNSTE and AGNNSTE
Buffer	25 mM Tris, 75 mM NaCl pH 8.5
Preparation and Storage	The lyophilized mouse PIGF, though stable at room temperature, is best stored in working aliquots at -20 degree C to -70 degree C.

ADDITIONAL INFORMATION

Related Product Information for PIGF active protein	Placenta growth factor (PIGF) is a member of the vascular endothelial growth factor (VEGF) family of growth factors. PIGF and VEGF share primary structural as well as limited amino acid sequence homology with the A and B chains of PDGF. All eight cysteine residues involved in intra and interchain disulfides are conserved among these growth factors. As a result of alternative splicing, three PIGF RNAs encoding monomeric human PIGF1, PIGF2 and PIGF3 isoform precursors containing 149, 179 and 219 amino acid residues, respectively, have been described. In normal mouse tissues, only one mouse PIGF mRNA encoding the equivalent of human PIGF2 has been identified. Mouse PIGF shares 65% amino acid identity with human PIGF2. The gene for PIGF has been mapped to mouse chromosome 12 and human chromosome 14. PIGF binds with high affinity to Flt1, but not to Flk1/KDR.
Product Categories/Family for PIGF active protein	Cytokines & Growth Factors
References	1. DiPalma, T. et al. (1996) Mamm. Genome 7:6. 2. Cao, Y. et al. (1997) Biochem. Biophys. Res. Commun. 235:493. 3. Ferrara, N. et al. (1997) Endocrin. Rev. 18:4

NCBI AND UNIPROT INFORMATION

NCBI GI #	6679289
NCBI GeneID	18654
NCBI Accession #	NP_032853
NCBI GenBank Nucleotide #	NM_008827
UniProt Accession #	P49764

Molecular Weight	~ 40 kDa (Dimer)
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	PIGF; Plgf; AI854365
NCBI Protein Information	placenta growth factor
UniProt Protein Name	Placenta growth factor
UniProt Gene Name	Pgf
UniProt Synonym Gene Names	Plgf; PIGF
UniProt Entry Name	PLGF_MOUSE

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/insect-cells-mouse-active-protein/plgf/79311>