

PIGF1 recombinant protein

PIGF1 protein (His Tag)

CATALOG # AAA75200	HOST Human
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PRODUCT SYNONYMS

PIGF1; PIGF1 protein (His Tag); PGF protein; Placenta Growth Factor-1 protein; PIGF-1 protein; PIGF 1; PIGF-1; PIGF protein; PIGF 1 protein; PIGF1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	> 95% pure
Form/Format	Lyophilized powder with carrier protein (HSA). Reconstitute with 0.1 M Acetic Acid or DI water. Can be diluted further with PBS or buffer of choice.
Sequence	LPAVPPQQWA LSAGNGSSEV EVVPFQEVWG RSYCRALERL VDWSEYPSEV EHMFSPPSCVS LLRRCTGCCG DENLHCVPE RANVTMQLLK IRSGDRPSYV ELTFSQHVRC ECRPI
Source	Insect cells
Contaminants	Endotoxin level: <0.1 ng/ug of PIGF-1
Additional Remarks	Specific activity: 1 x 10 ⁶ units/mg
Protein Type	Binding Protein
Biohazard	For research use only. Use standard laboratory precautions when handling.
Tag/Conjugate	His Tag
Biological Significance	Human Placenta Growth Factor-1 (PIGF-1), a 19 kDa protein consisting of 131 amino acid residues and fused to a C-terminal His-tag (6x His), is produced as a homodimer. Human Placenta Growth Factor (PIGF) is a polypeptide growth factor and a member of the platelet-derived growth factor family but more related to vascular endothelial growth factor (VEGF). PIGF-1 acts only as a very weak mitogen for some endothelial cell types and as a potent chemoattractant for monocytes. The physiological function in vivo is still controversial. In several reports it was shown not to be a potent mitogen for endothelial cells and not angiogenic in vivo by using different assays.
Preparation and Storage	Stable at room temperature. Best stored at -20°C to -70°C.

ADDITIONAL INFORMATION

Related Product Information for PIGF1 recombinant protein	Purified recombinant Human PIGF1 protein (His Tag)
Product Categories/Family for PIGF1 recombinant protein	Cytokines & Growth Factors ; Binding Protein ; Conjugated Proteins

NCBI AND UNIPROT INFORMATION

Molecular Weight	19 kDa
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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.

