

Placenta Growth Factor-2 Active Protein | PLGF 2 active protein

Recombinant Human Placenta Growth Factor-2

CATALOG # AAA38199	HOST Insect Cells
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PRODUCT SYNONYMS

Placenta Growth Factor-2; Recombinant Human Placenta Growth Factor-2; PLGF 2 Human; Placenta Growth Factor-2 Human Recombinant; PIGF; PGF; PIGF-2; PLGF-2; PLGF 2 active protein

PRODUCT SPECIFICATIONS

Host	Insect Cells
Purity/Purification	Greater than 80.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a concentrated (1mg/ml) solution containing BSA. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence Length	149
Solubility	It is recommended to reconstitute the lyophilized Placenta Growth Factor 2 in sterile 20mM acetic acid not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	PIGF-2 human Recombinant can bind to immobilized rh-sFlt-1 (100ng/well) with a linear range at 0.310ng/ml.
Preparation and Storage	Lyophilized Placenta Growth Factor-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution PLGF2 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for PLGF 2 active protein	Description: Placenta Growth Factor-2 Human Recombinant produced in insect cells is a homodimer, glycosylated polypeptide chain containing 2 x 152 amino acids and having a total molecular mass of 44 kDa. The PLGF-2 is purified by proprietary chromatographic techniques. Introduction: PLGF is a growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration. It binds to receptor vegfr-1/flt1. PLGF-2 binds neuropilin-1 and 2 in a heparin-dependent manner.
Product Categories/Family for PLGF 2 active protein	Cytokines and Growth Factors ; Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	333033785
NCBI GeneID	5228
NCBI Accession #	NP_001193941.1
NCBI GenBank Nucleotide #	NM_001207012.1
UniProt Accession #	P49763 ; Q07101 ; Q9BV78 ; Q9Y6S8
Molecular Weight	19,338 Da
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; 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://www.aaabiotech.com/insect-plgf-2-active-protein/placenta-growth-factor-2/38199>