

## Placenta Growth Factor-2 Human Recombinant, CHO

<b>Item Number</b>	rAP-2430
<b>Synonyms</b>	PIGF, PGF, PIGF-2, PLGF-2.
<b>Description</b>	PLGF2 Human Recombinant (19-170 a.a.) produced in CHO is a disulfide-linked homodimeric, glycosylated, polypeptide chain containing 152 amino acids and having a molecular mass of 33kDa. The PLGF-2 Human Recombinant protein is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P49763
<b>Amino Acid Sequence</b>	LPAVPPQQWA LSAGNGSSEV EVVPFQEVWG RSYCRALERL VDVVSEYPSE VEHMFSPSCV SLLRCTGCCG DENLHCVPVE TANVTMQLLK IRSGDRPSYV ELTFSQHVRC ECRPLREKMK PER- RRPKGRG KRRREKQRPT DCHLCGDAVP RR.
<b>Source</b>	Chinese Hamster Ovary cells (CHO).
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized PLGF-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PLGF2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	PLGF-2 protein was lyophilized from a 0.2µm filtered solution in HCl. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized PLGF2 at 200µg/ml in PBS, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The ED50, as measured in a cell proliferation assay using MDA-MB-231 cells is less than 10µg/ml.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**