

Placenta Growth Factor-2 Human Recombinant, CHO

Item Number	rAP-2430
Synonyms	PIGF, PGF, PIGF-2, PLGF-2.
Description	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.
Uniprot Accesion Number	P49763
Amino Acid Sequence	LPAVPPQQWA LSAGNGSSEV EVVPFQEVLG RSYCRALERL VDVVSEYPSE VEHMFPSCV SLLRCTGCCG DENLHCVPVE TANVTMQLLK IRSGDRPSYV ELTFSQHVRC ECRPLREKMK PER-RRPKGRG KRRREKQRPT DCHLCGDAVP RR.
Source	Chinese Hamster Ovary cells (CHO).
Physical Appearance and Stability	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.
Formulation and Purity	PLGF-2 protein was lyophilized from a 0.2µm filtered solution in HCl. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized PLGF2 at 200µg/ml in PBS, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50, as measured in a cell proliferation assay using MDA-MB-231 cells is less than 10µg/ml.
Shipping Format and Condition	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 end users! This product is sold for **Research Use Only**