

Human PLGF2 Recombinant Protein



RPPB0866

Product Information Protein Information

Product SKU:

RPPB0866

Accession:

P49763

Host:

Escherichia Coli.

Protein description:

Placental Growth Factor-2 Human Recombinant produced in E.Coli is a non-glycosylated, disulfide-linked homodimer consisting of 2x152 amino acid polypeptide chains, having a total molecular mass of approximately 34.6kDa. PLGF2 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

PIGF, PGF, PIGF-2, PLGF-2.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4 and 0.02 % Tween-20.

Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Placental Growth Factor-2 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized PLGF2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Placental Growth Factor-2 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

LPVPPQQWA LSAGNGSSEV EVVPFQEVWG RSYCRALERL VDVVSEYPSE VEHMFSPSCV SLLRCTGCCG
DENLHCVPE TANVTMQLLK IRSGDRPSYV ELTFSQHVRC ECRPLREKMK PERRRPKGRG KRRREKQRPT
DCHLCGDAVP RR.

Biological Activity:

Determined by its ability to chemoattract human monocytes using a concentration range of 5.0-50 ng/ml.