

Recombinant Human Placenta Growth Factor-2

#R00149

Size: 5 µg/100 µg/500 µg

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

AA Sequence

LPAVPPQQWALSAGNGSSEVEVVPFQEVWGRSYCR
ALERLVDVVSEYPSEVEHMFSPSCVSLRCTGCCGD
ENLHCVPVETANVTMQLLKIRSGDRPSYVELTFSQHV
RCECRPLREKMKPERRRPKGRGKRRREKQRPTDCH
LCGDAVPRR

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Product Specification

Accession	P49763-3
GeneID	5228
Species	Human
Source	Escherichia coli.
Molecular Weight	Approximately 34.6 kDa, a disulfide-linked homodimer consisting of two 152 amino acid polypeptide chains.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The biologically active as determined by its ability to chemoattract human monocytes using a concentration range of 5.0-50 ng/ml.
Physical	Sterile Filtered White Lyophilized

Appearance	(freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4, with 0.02 % Tween-20.
Endotoxin	Less than 0.1 EU/µg of rHuPIGF-2 as determined by LAL method.