9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

PLGF1 Human, 132 a.a.

Placental Growth Factor-1, 132 a.a. Human Recombinant
GRF0333

Product Overview

Name	PLGF1 Human, 132 a.a.
Description	
Placental Growth Factor-1, 132 a.a. Human Recombinant	
Accession (Primary)	P49763
Synonyms	
PIGF, PGF, PLGF-1.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 µm filtered concentrated solution in 10mM Sodium Phosphate pH 7.5.	
Stability	
Lyophilized PLGF1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Placental Growth Factor-1 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles .	
Purity	
Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
MLPAVPPQQW ALSAGNGSSE VEVVPFQEVW GRSYCRALER LVDVVSEYPS EVEHMFSPSC VSLLRCTGCC GDENLHCVPV ETANVTMQLL KIRSGDRPSY VELTFSQHVR CECRPLREKM KPERCGDAVP RR.	
Biological Activity	
Determined by its ability to chemoattract human monocytes of using a concentration range of 1.0-10.0 ng/ml.	
Solubility	
It is recommended to reconstitute the lyophilized Placental Growth Factor-1 in sterile 18MΩ-cm H 2 O not less than	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

PLGF1 Human, 132 a.a. is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P49763)