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PLGF2 Human

Placental Growth Factor-2 Human Recombinant
GRF0336

Product Overview

Name	PLGF2 Human
Description	
Placental Growth Factor-2 Human Recombinant	
Accession (Primary)	P49763
Synonyms	
PIGF, PGF, PlGF-2, PLGF-2.	
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. PLGF-2 binds neuropilin-1 and 2 in a dependent way.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH7.4 and 0.02 % Tween-20.	
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 .	
Purity	
Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
LPAVPPQQWA LSAGNGSSEV EVVPFQEVWG RSYCRALERL VDVVSEYPSE VEHMFSPSCV SLLRCTGCCG DENLHCVPVE 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.	
Solubility	

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

Precautions

PLGF2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P49763)