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PLGF2 Human, CHO

Placental Growth Factor-2 Human Recombinant, CHO
GRF0337

Product Overview

Name	PLGF2 Human, CHO
Description	
Placental Growth Factor-2 Human Recombinant, CHO	
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 heparin-dependent manner.	
Source	
Chinese Hamster Ovary cells (CHO).	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
PLGF-2 protein was lyophilized from a 0.2 µm filtered solution in HCl.	
Stability	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
LPAVPPQQWA LSAGNGSSEV EVVPFQEVWG RSYCRALERL VDVVSEYPSE VEHMFSPSCV SLLRCTGCCG DENLHCVPVE TANVTMQLLK IRSGDRPSYV ELTFSQHVRC ECRPLREKMK PERRRPKGRG KRRREKQRPT DCHLCGDAVP RR.	
Biological Activity	
The ED 50 , as measured in a cell proliferation assay using MDA?MB?231 cells is less than 10 µg/ml.	
Solubility	

It is recommended to reconstitute the lyophilized PLGF2 at 200 µg/ml in PBS, which can then be further diluted to other aqueous solutions.

Precautions

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

Target Information: (P49763)