

Datasheet

Recombinant human VEGF/PIGF

Catalog Number:	PR15032	Product Type:	Recombinant protein
Source:	DNA sequences encoding the mature 165 amino acid residue variant of VEGF (Leung, P.W. <i>et al.</i> , 1989, Science 246 :1306) and the mature 129 amino acid residue form of placenta growth factor (PIGF) (Maglione, D. <i>et al.</i> , 1993, Oncogene 8 :925 - 931) were expressed in <i>E. coli</i> . Recombinant VEGF/PIGF heterodimer was dimerized <i>in vitro</i> .		
Molecular Mass:	The disulfide-linked heterodimeric VEGF/PIGF has a predicted molecular mass of approximately 28 kDa.		
Purity:	> 97%, as determined by SDS-PAGE and visualized by silver stain.		
Endotoxin Levels:	< 1.0 EU per 1 µg of the cytokine as determined by the LAL method.		
Activity:	Measured by its ability to stimulate ³ H-thymidine incorporation in HUVE cells (Conn, G. <i>et al.</i> , 1990, Proc. Natl. Acad. Sci. USA 87 :1323 - 1327). The ED ₅₀ for this effect is typically 100 - 200 ng/mL.		
Format:	Lyophilized from a 0.2 µm filtered solution in PBS containing 50 µg of bovine serum albumin per 1 µg of cytokine.		
Reconstitution:	It is recommended that sterile PBS containing at least 0.1% human serum albumin or bovine serum albumin be added to the vial to prepare a stock solution of no less than 5 µg/mL.		
Storage:	Lyophilized samples are stable for up to six months at -20° C to -70° C. Upon reconstitution, this cytokine, in the presence of a carrier protein, can be stored under sterile conditions at 2 - 8° C for one month or at -20° C to -70° C in a manual defrost freezer for three months without detectable loss of activity. Avoid repeated freeze-thaw cycles.		
