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Datasheet for ABIN7454231
VEGF121 Protein (AA 27-147)

Overview

Quantity:	100 µg
Target:	VEGF121
Protein Characteristics:	AA 27-147
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant

Product Details

Purpose:	Human VEGF121 Protein
Sequence:	Ala27-Arg147
Characteristics:	Recombinant Human VEGF121 Protein is expressed from HEK293 without tag.It contains Ala27-Arg147.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 90 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human VEGF121, No Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Human VEGF R1, His Tag with the EC50 of 21.7ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	VEGF121
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Target Details

Alternative Name:	VEGF121 (VEGF121 Products)
Background:	Vascular endothelial growth factor (VEGF or VEGF-A), also known as vascular permeability factor (VPF), is a potent mediator of both angiogenesis and vasculogenesis in the fetus and adult. VEGF165 appears to be the most abundant and potent isoform, followed by VEGF121 and VEGF189.
Molecular Weight:	14.07 kDa. Due to glycosylation, the protein migrates to 15-25 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months