Datasheet for ABIN7275825

VEGF121 Protein (AA 27-147) (His-Avi Tag)

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Overview

Quantity:	100 µg
Target:	VEGF121
Protein Characteristics:	AA 27-147
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VEGF121 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human VEGF121 Protein
Sequence:	Ala27-Arg147
Characteristics:	Recombinant Human VEGF121 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Ala27-Arg147.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human VEGF121, His Tag at 2µg/ml (100ul/Well). Dose response curve for Biotinylated Human VEGFR1, His Tag with the EC50 of 33.3ng/ml determined by ELISA. See testing image for detail.

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Target Details

Target:	VEGF121
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:	17 kDa. Due to glycosylation, the protein migrates to 18 kDa and 22-25 kDa under reduced (R) condition, 30 kDa and 32-40 kDa under Non reducing (N) condition based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only

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,250 mM Arginine (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

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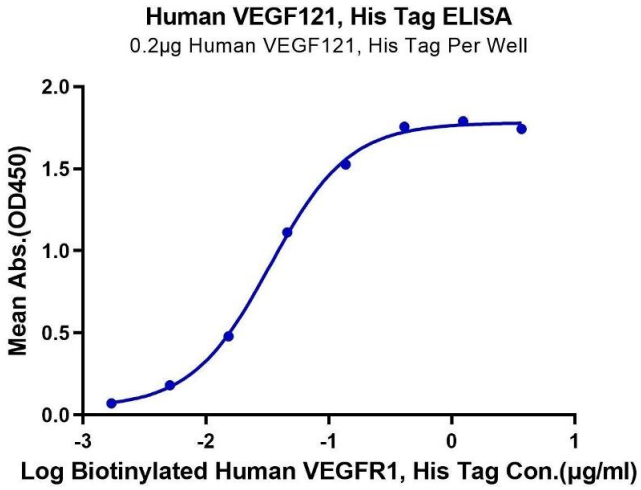
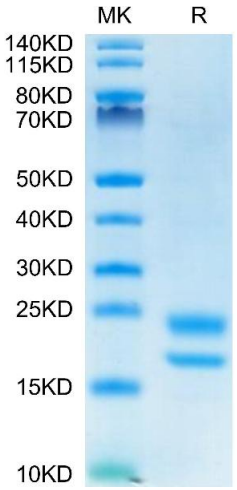


ELISA

Image 1. Immobilized Human VEGF121, His Tag at 2 µg/mL (100 µL/Well). Dose response curve for Biotinylated Human VEGFR1, His Tag with the EC50 of 33.3 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human VEGF121 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .