

Active Recombinant Human VEGFA protein, His-Avi-tagged, Biotinylated, Low Endotoxin

Cat. No. VEGFA-273H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human VEGFA protein(P15692-4)(27-191 aa), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	27-191 aa
Conjugation/Label	Biotin
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human VEGF R1, His Tag at 1µg/ml(100µl/well) on the plate. Dose response curve for Biotinylated Human VEGF165, His Tag with the EC50 of 10.5ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 22.2 kDa. Due to glycosylation, the protein migrates to 28-35 kDa under reduced (R) condition, 45-60 kDa under Non reduced (N) condition based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Purity	> 90% as determined by Bis-Tris PAGE; > 90% as determined by HPLC
Storage	Store at -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

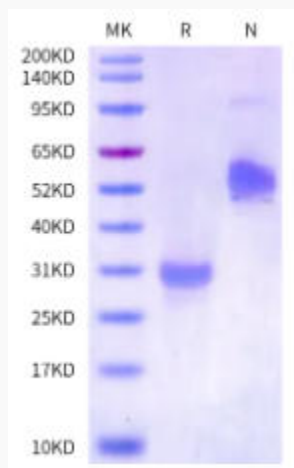
Gene Name	VEGFA vascular endothelial growth factor A [Homo sapiens]
Official Symbol	VEGFA
Synonyms	VEGFA; vascular endothelial growth factor A; vascular endothelial growth factor, VEGF; VEGF A; VPF; vascular permeability factor; VEGF; MVCD1; MGC70609;
Gene ID	7422
mRNA Refseq	NM_001025366
Protein Refseq	NP_001020537
UniProt ID	P15692

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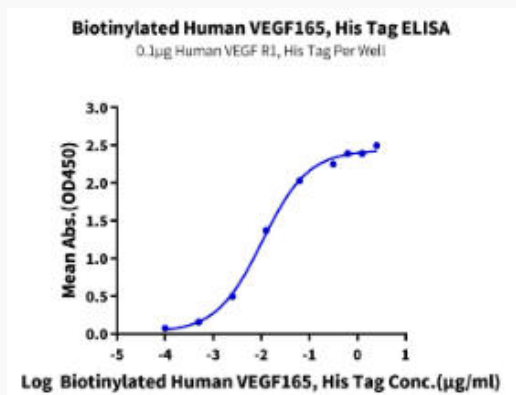
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Bis-Tris PAGE



ELISA Data



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