Active Recombinant Human VEGFA, Biotinylated

Cat. No. VEGFA-272H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VEGFA (Ala 27 - Arg 191) labeled with biotin, was expressed in HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	Ala 27 - Arg 191
Predicted N Terminal	Ala 27
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally Trehalose are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized VEGFR2/R3-Fc at 5 g/mL (100 l/well) can bind Biotinylated rh VEGF165 with a linear range of 0.5-5 ng/mL.Validated binding test against Human Neuropilin-1 Protein, C-Fc Tag in a functional ELISA.
Molecular Mass	Has a calculated MW of 19 kDa (monomer). As a result of glycosylation, DTT-reduced Protein migrates as 24 kDa (monomer) and non-reduced protein migrates as 43 kDa (homodimer) in SDS-PAGE .
Endotoxin	Less than 1.0 EU per μg of the Biotinylated rh VEGF165 by the LAL method.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% as determined by reduced SDS-PAGE.
Applications	ELISA, dot blot or western blot using streptavidin or avidin-conjugated probes.
Storage	Avoid repeated freeze-thaw cycles.No activity loss was observed after storage at:In lyophilized state for 1 year (4 centigrade); After reconstitution under sterile conditions for 3 months (-70 centigrade).
Conjugation	Biotin

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_001171626
Protein Refseq	NP_001165097
MIM	192240
UniProt ID	P15692
Chromosome Location	6p12

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Pathway	Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Endochondral Ossification, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem;
Function	cell surface binding; chemoattractant activity; cytokine activity; cytokine activity; extracellular matrix binding; fibronectin binding; growth factor activity; growth factor activity; heparin binding; heparin binding; platelet-derived growth factor receptor binding; protein binding; protein heterodimerization activity; protein homodimerization activity; receptor agonist activity; vascular endothelial growth factor receptor 1 binding; vascular endothelial growth factor receptor 2 binding; vascular endothelial growth factor receptor binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA