

## Active Recombinant Human VEGFA protein (Met1-Arg136)

Cat. No. VEGFA-159H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human VEGFA (NP_001191313.1) (Met1-Arg136) protein, fused with no tag, was expressed in HEK293 Cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-136 a.a.
<b>CommonName</b>	VEGFA
<b>Predicted N Terminal</b>	Ala 27
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.
<b>Bio-activity</b>	Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED50 for this effect is 2-10 ng/mL.
<b>Molecular Mass</b>	The recombinant human VEGFA consists of 110 amino acids and predicts a molecular mass of 12.7 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE.

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<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Shipping</b>	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

## GENE INFORMATION

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

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