

Recombinant Human VEGF 165 Protein, Ala27-Arg191

Cat. No. VEGF165-13H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human VEGF 165 Protein (Ala27-Arg191) without tag was expressed in <i>Spodoptera frugiperda</i> , Sf 21 (baculovirus). Disulfide-linked homodimer.
Species	Human
Source	Insect cells
ProteinLength	Ala27-Arg191
Bio-activity	Measured in a cell proliferation assay using HUVEC human umbilical vein endothelial cells. The ED50 for this effect is 1-6 ng/mL.
Molecular Mass	Predicted Molecular Mass: 19.2 kDa (monomer) SDS-PAGE: 20-22 kDa, under reducing conditions. 39-42 kDa, under non-reducing conditions.
Endotoxin	<0.01 EU/μg of the protein by the LAL method.
Purity	>97%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
N-terminal Sequence Analysis	Ala27
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

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12 months from date of receipt, -20 to -70 centigrade as supplied.
 1 month, 2 to 8 centigrade under sterile conditions after reconstitution.
 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Storage Buffer

Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA with BSA as a carrier protein.

Shipping

The product is shipped at ambient temperature.

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin. Alternatively, reconstitute at 100-500 µg/mL in sterile 4 mM HCl containing 0.1% human or bovine serum albumin.

References

1. Leung, D.W. et al. (1989) Science 246:1306.
2. Keck, P.J. et al. (1989) Science 246:1309.
3. Byrne, A.M. et al. (2005) J. Cell. Mol. Med. 9:777.

GENE INFORMATION

Gene Name

VEGFA vascular endothelial growth factor A [Homo sapiens (human)]

Official Symbol

VEGFA

Synonyms

VEGFA; vascular endothelial growth factor A; VPF; VEGF; MVCD1; L-VEGF; vascular endothelial growth factor A, long form; vascular endothelial growth factor A121; vascular endothelial growth factor A165; vascular permeability factor

Gene ID

7422

mRNA Refseq

NM_001171626

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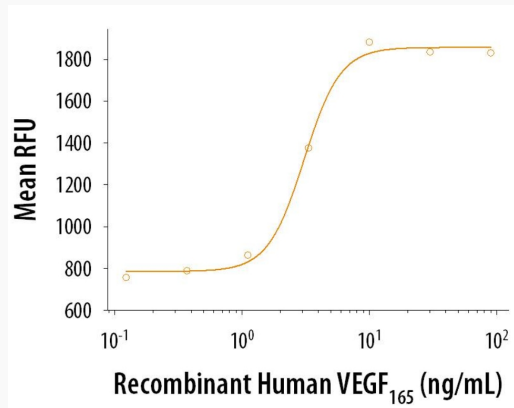
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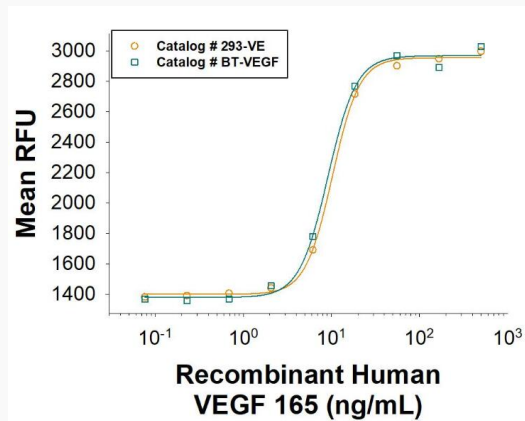
MIM 192240

UniProt ID A0A0Y0IMM4

Bioactivity



Bioactivity



SDS-PAGE

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