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 Spodoptera frugiperda, 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.

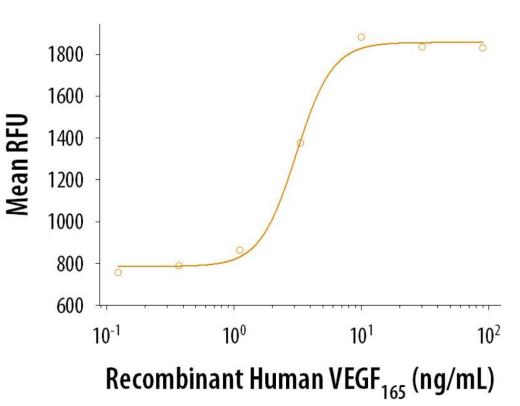
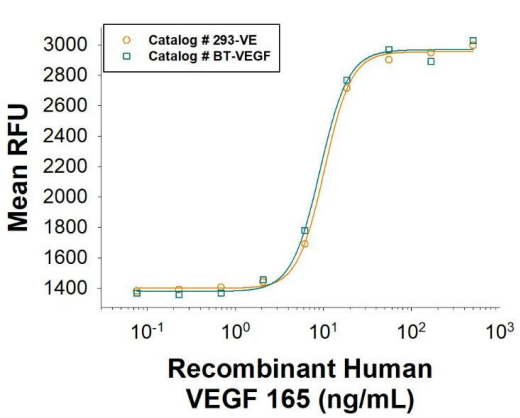
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	12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized 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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Protein Refseq	NP_001165097
MIM	192240
UniProt ID	A0A0Y0IMM4
Bioactivity	
Bioactivity	
SDS-PAGE	

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