

Recombinant Rabbit VEGFA Protein

Cat. No. VEGFA-100R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant rabbit VEGF-A (165 aa) protein without tag was expressed in Yeast, and does not have endotoxin, naturally folded, and post-translationally modified.
Species	Rabbit
Source	Yeast
ProteinLength	165
Description	Vascular endothelial growth factor (VEGF) proteins stimulate vasculogenesis and angiogenesis. They are part of the system that restores the oxygen supply to tissues when blood circulation is inadequate. The normal function of VEGF proteins is to create new blood vessels during embryonic development, new blood vessels after injury, muscle following exercise, and new vessels (collateral circulation) to bypass blocked vessels. The VEGF family has six members, including VEGF-A, VEGF-B, VEGF-C, VEGF-D, VEGF-E, and Placental Growth Factor (PGF). Activity of VEGF-A, as its name implies, has been studied mostly on cells of the vascular endothelium, although it does have effects on a number of other cell types (e.g., stimulation monocyte/macrophage migration, neurons, cancer cells, kidney epithelial cells). In vitro, VEGF-A has been shown to stimulate endothelial cell mitogenesis and cell migration. VEGF-A is also a vasodilator and increases microvascular permeability and was originally referred to as vascular permeability factor (VPF).
Molecular Mass	19.3 kDa

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AA Sequence	APMAEEGDNKPHEVVKFMEVYRRSYCQPIETLVDIFQEYPDEIEYIFKPSCVPLVRC GGCCNDESLECVPTTEEFNVMTQMIRIKPHQGQHIGEMSFLQHNKCECRPKKDRAR QENPCGPCSERRKHLFVQDPQTCKCCKNTDSRCKARQLELNERTCRCDKPRR(165)
Applications	The Rabbit VEGF-A endotoxin-free recombinant protein can be used in cell culture, as an ELISA Standard, and as a Western Blot Control.
GENE INFORMATION	
Gene Name	VEGFA vascular endothelial growth factor A [<i>Oryctolagus cuniculus</i> (rabbit)]
Official Symbol	VEGFA vascular endothelial growth factor A [<i>Oryctolagus cuniculus</i> (rabbit)]
Synonyms	VEGFA; vascular endothelial growth factor A; VEGF; VEGFA165b; vascular endothelial growth factor A
Gene ID	100008899
mRNA Refseq	XM_017345155
Protein Refseq	XP_017200644
UniProt ID	G1T1L9