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Datasheet for ABIN7320681 VEGFA Protein

Image



## Overview

Quantity:	50 µg
Target:	VEGFA
Origin:	Mouse
Source:	Yeast (Pichia pastoris)
Protein Type:	Recombinant

## Product Details

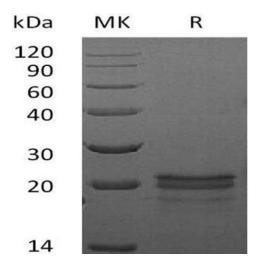
Purpose:	Recombinant Mouse VEGF-A/VEGF164 Protein
Sequence:	Ala27-Arg190
Characteristics:	Recombinant Mouse Vascular Endothelial Growth Factor A is produced by our Yeast expression system and the target gene encoding Ala27-Arg190 is expressed.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	VEGFA
Alternative Name:	VEGF-A/VEGF164 (VEGFA Products)
Background:	Background: Mouse Vascular endothelial growth factor (VEGF or VEGF-A), is a potent mediator of both angiogenesis and vasculogenesis in the fetus and adult. It is a member of the
	PDGF/VEGF growth factor family that is characterized by a cystine knot structure formed by
	eight conserved cysteine residues. Alternately spliced isoforms of 120, 164 and 188 aa found in

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	mouse. VEGF binds the type I transmembrane receptor tyrosine kinases VEGF R1 (also called Flt-1) and VEGF R2 (Flk-/KDR) on endothelial cells.Although affinity is highest for binding to VEGF R1, VEGF R2 appears to be the primary mediator of VEGF angiogenic activity. VEGF is required during embryogenesis to regulate the proliferation, migration, and survival of endothelial cells.It may play a role in increasing vascular permeability during lactation, when increased transport of molecules from the blood is required for efficient milk protein synthesis. Synonym: Vascular endothelial growth factor A, VEGF-A, Vascular permeability factor, VPF, VEGFA, VEGFA164, VEGF164
Molecular Weight:	19.3 kDa
Pathways:	RTK Signaling, Glycosaminoglycan Metabolic Process, Regulation of Cell Size, Tube Formation, Signaling Events mediated by VEGFR1 and VEGFR2, Platelet-derived growth Factor Receptor Signaling, VEGFR1 Specific Signals, VEGF Signaling
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 $\mu m$ filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.

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