

VEGF-A/ VEGF164, Mouse, Recombinant

货号 : PCK101

产品信息

别名	Vascular Endothelial Growth Factor A; VEGF-A; Vascular Permeability Factor; VPF; VEGFA; VEGFA164; VEGF164
物种	Mouse
表达宿主	P.Pichia
序列信息	Ala27-Arg190
检索号	Q00731-2
分子量	19.27 kDa
生物活性	Loaded Mouse VEGFR2-Fc on Protein A Biosensor, can bind Mouse VEGF 164 with an affinity constant of 0.44 nM as determined in BLI assay.

产品特性

纯度	>95% as determined by reducing SDS-PAGE.
内毒素	<1.0 EU per µg as determined by LAL test.
保存	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
运输	Ambient temperature or ice pack.
制剂	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 250mM NaCl, pH7.0.



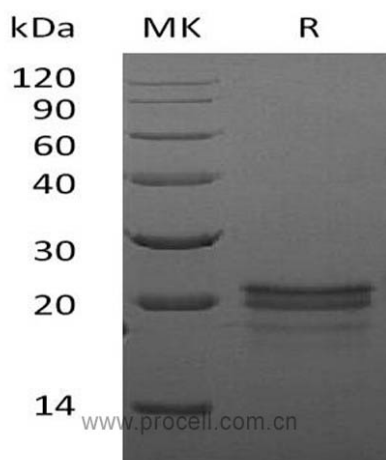
复融

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

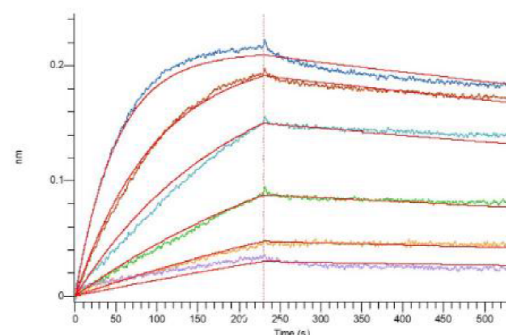
背景介绍

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 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.

SDS-PAGE



生物活性



Loaded Mouse VEGFR2-Fc on Protein A Biosensor, can bind Mouse VEGF 164 with an affinity constant of 0.44 nM as determined in BLI assay.

