

Datasheet for ABIN7534746
VEGFA Protein (His tag)



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Overview

Quantity:	100 µg
Target:	VEGFA
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This VEGFA protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Mouse VEGF-A/VEGF164 Protein
Sequence:	APTTEGEQKS HEVIKFMDVY QRSYCRPIET LVDIFQEYPD EIEYIFKPSC VPLMRCAGCC NDEALECVPT SESNITMQIM RIKPHQSQHI GEMSFLQHSR CECRPKKDRT KPENHCEPCS ERRKHLFVQD PQTCKCCKN TDSRCKARQL ELNERTCRCD KPRR
Specificity:	Ala27-Arg190
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant Mouse VEGF164 at 1 µg/mL (100 µL/well) can bind Recombinant Human VEGFR2 with a linear range of 8-30 ng/mL.2.Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED ₅₀ for this effect is typically 0.006-0.022 ng/mL, corresponding to a

Product Details

specific activity of 4.54×10^7 - 1.67×10^8 units/mg.

Target Details

Target:	VEGFA
Alternative Name:	VEGF-A/VEGF164 (VEGFA Products)
Background:	MVCD1,VEGFA,VEGF,VPF,VEGFA(164)
Gene ID:	22339
UniProt:	Q00731-2
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
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.