

RP00497

Leader in Biomolecular Solutions for Life Science



Recombinant Human VEGF165/VEGF-A Protein

Catalog No.: RP00497 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	7422	P15692-4

Tags

No tag

Synonyms

VEGFA; MVCD1; VEGF; VPF; vascular endothelial growth factor A; MVCD1; VEGF; VPF; L VEGFA; VEGF A

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

Human Vascular endothelial growth factor (VEGF), also known as VEGF-A and vascular permeability factor (VPF), belongs to the platelet-derived growth factor family of cysteine-knot growth factors. It is a potent activator in vasculogenesis and angiogenesis both physiologically and pathologically. VEGF-A has 8 differently spliced isoforms, of which VEGF165 is the most abundant one. VEGF165 is a disulfide-linked homodimer consisting of two glycosylated 165 amino acid polypeptide chains. VEGF stimulates the cellular response through binding to tyrosine kinase receptors VEGFR1 and VEGFR2 on the cell surface. It is widely accepted that VEGFR2 mediate almost all of the known cellular responses to VEGF while the function of VEGFR1 is less defined and is thought to modulate the VEGFR2 signaling.

Basic Information

Description

Recombinant Human VEGF165/VEGF-A Protein is produced by Human cells expression system. The target protein is expressed with sequence (Ala27-Arg191) of human VEGF165/VEGF-A (Accession #P15692-4).

Bio-Activity

Storage

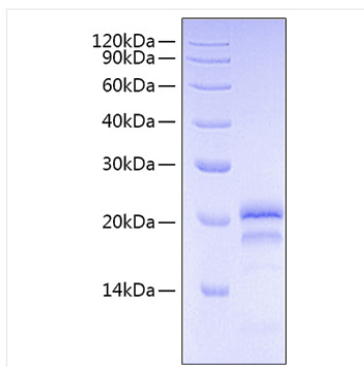
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Contact

 www.abclonal.com

Validation Data



Recombinant Human VEGF165/VEGF-A Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.