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Recombinant Human VEGF-D Protein

Catalog No.: RP00530 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	2277	O43915

Tags
C-6×His

Synonyms
VEGFD; FIGF; VEGF-D; vascular endothelial growth factor D;FIGF;VEGF-D

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 7.4.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

Vascular endothelial growth factor D (VEGF-D) is a member of the platelet-derived growth factor/vascularendothelial growth factor (PDGF/VEGF) family. It is highly expressed in lung, heart, small intestine and fetallung, and at lower levels in skeletal muscle, colon, and pancreas. VEGF-D is growth factor active inangiogenesis, lymphangiogenesis and endothelial cell growth, stimulating their proliferation and migration andalso has effects on the permeability of blood vessels. It may function in the formation of the venous andlymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphaticendothelium in adults. It undergoes a complex proteolytic maturation, generating multiple processed formsthat bind and activate VEGFR-2 and VEGFR-3 receptors.

Basic Information

Description
Recombinant Human VEGF-D Protein is produced by Human cells expression system. The target protein is expressed with sequence (Phe93-Ser201) of human VEGF-D (Accession #O43915) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage
Store the lyophilized protein at -20℃ to -80 ℃ for long term.
After reconstitution, the protein solution is stable at -20 ℃ for 3 months, at 2-8 ℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact

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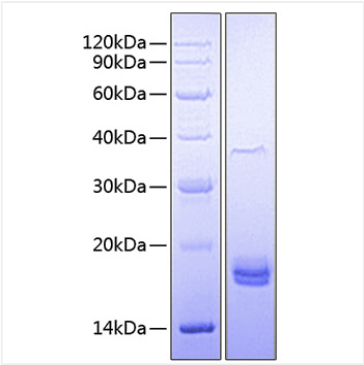
Validation Data



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