

Recombinant Human VEGFD Protein, His-tagged

Cat. No. VEGFD-151H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human Vascular Endothelial Growth Factor D is produced by our Mammalian expression system and the target gene encoding Phe93-Ser201 is expressed with a 6His tag at the C-terminus.

Species Human

Source Human Cells

ProteinLength 93-201 a.a.

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

Form Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

AA Sequence Phe93-Ser201

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Endotoxin	Less than 0.1 ng/ug (1 EU/ug).
Purity	>95%
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.
Quality Statement	Purity Greater than 95% as determined by reducing SDS-PAGE.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

GENE INFORMATION

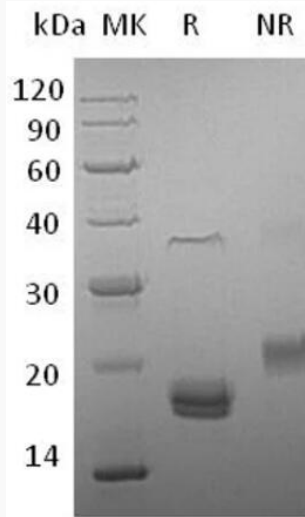
Gene Name	VEGFD vascular endothelial growth factor D [Homo sapiens (human)]
Official Symbol	VEGFD
Synonyms	Vascular Endothelial Growth Factor D; VEGF-D; c-Fos-Induced Growth Factor; FIGF
Gene ID	2277
mRNA Refseq	NM_004469.5
Protein Refseq	NP_004460.1
MIM	300091
UniProt ID	O43915

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SDS-PAGE



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