

Active Recombinant Human VEGFA protein

Cat. No. VEGFA-19H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human VEGFA was expressed in E. coli.
Species	Human
Source	E.coli
Predicted N Terminal	APMAEGG
Form	50 mM acetic acid
Bio-activity	The ED50 for stimulation of cell proliferation in human dermal lymphatic endothelial cells (HDLEC) by VEGF206 has been determined to be in the range of 5-15 ng/ml.
AA Sequence	APMAEGGGQN HHEVVKFMDV YQRSYCHPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCGGC CNDEGLECVP TEESNITMQI MRIKPHQGQH IGEMSFLQHN KCECRPKKDR ARQEKKSVRG KGKGQKRRKK SRYKSWSVYV GARCCLMPWS LPGPHPCGPC SERRKHLFVQ DPQTCKCSCK NTDSRCKARQ LELNERTCRC DKPRR
Purity	> 98% by SDS-PAGE & silver stain
Storage	The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20 centigrade. Reconstituted VEGF206 should be stored in working aliquots at -20 centigrade. Avoid repeated freeze-thaw cycles.

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Reconstitution

The lyophilized VEGF206 should be reconstituted in 50mM acetic acid to a concentration not lower than 50 ug/ml. For long term storage we recommend to add at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name

VEGFA vascular endothelial growth factor A [Homo sapiens]

Official Symbol

VEGFA

Synonyms

VEGFA; vascular endothelial growth factor A; vascular endothelial growth factor , VEGF; VEGF A; VPF; vascular permeability factor; VEGF; MVCD1; MGC70609;

Gene ID

7422

mRNA Refseq

NM_001171624

Protein Refseq

NP_001165095

MIM
UniProt ID

P15692

Chromosome Location

6p12

Pathway

Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Endochondral Ossification, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem;

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Function

cell surface binding; chemoattractant activity; cytokine activity; cytokine activity; extracellular matrix binding; fibronectin binding; growth factor activity; growth factor activity; heparin binding; heparin binding; platelet-derived growth factor receptor binding; protein binding; protein heterodimerization activity; protein homodimerization activity; receptor agonist activity

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