

VEGF165 recombinant protein

VEGF165, 1-191aa, Human, His tag, Baculovirus

CATALOG # AAA48908	HOST Baculovirus	APPLICATIONS SDS-Page
------------------------------	----------------------------	---------------------------------

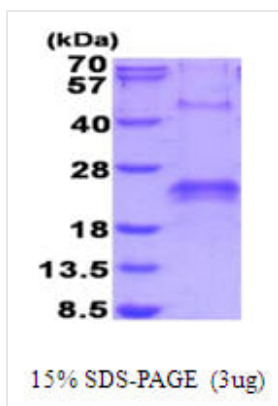
PRODUCT SYNONYMS

VEGF165; 1-191aa; Human; His tag; Baculovirus; Vascular endothelial growth factor A; MVCD1; VEGF; VPF; VEGF165 recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. In phosphate buffered saline (pH 7.4), 30% glycerol, 1mM DTT, 0.1mM PMSF
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	APMAEGGGQN HHEVVKFMDV YQRSYCHPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCGGC CNDEGLECVPT TEESNITMQI MRIKPHQQQH IGEMSFLQHN KCECRPKKDR ARQENPCGPC SERRKHLFVQ DPQTCKCSCK NTDSRCKARQ LELNERTCRC DKPRRHHHHH H
Sequence Length	191
Applicable Applications for VEGF165 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for VEGF165 recombinant protein	Vascular endothelial growth factor A, also known as VEGF, is growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. Induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. This protein binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. NRP1/Neuropilin-1 binds isoforms VEGF-165 and VEGF-145. Isoform VEGF165B binds to KDR but does not activate downstream signaling pathways, does not activate angiogenesis and inhibits tumor growth. Recombinant human VEGF165 protein, fused to His-tag at C-terminus, was expressed in insect cells using baculovirus expression system and purified by using conventional chromatography techniques.
Product Categories/Family for VEGF165 recombinant protein	Hormones & Cytokines
References	Woolard J., et al. (2004) Cancer Res. 64:7822-7835; Dixelius J., et al. (2006) Cancer Res. 66:2089-2097;

NCBI AND UNIPROT INFORMATION

NCBI GI #	284172465
NCBI GeneID	7422
NCBI Accession #	NP_001165097
NCBI GenBank Nucleotide #	NM_001171626.1
UniProt Accession #	P15692; O60720; O75875; Q074Z4; Q16889; B5BU86; H0Y2S8; H0Y407; H0Y414; H0Y462; H0Y8N2; H3BLW7
Molecular Weight	19.9 kDa (171aa)
NCBI Official Full Name	vascular endothelial growth factor A isoform I
NCBI Official Synonym Full Names	vascular endothelial growth factor A
NCBI Official Symbol	VEGFA
NCBI Official Synonym Symbols	VPF; VEGF; MVCD1
NCBI Protein Information	vascular endothelial growth factor A
UniProt Protein Name	Vascular endothelial growth factor A
UniProt Gene Name	VEGFA
UniProt Synonym Gene Names	VEGF; VEGF-A; VPF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.