

VEGF165 recombinant protein

VEGF165, 207-371aa, Human, His tag, E Coli

CATALOG # AAA11822	HOST E Coli	APPLICATIONS SDS-Page
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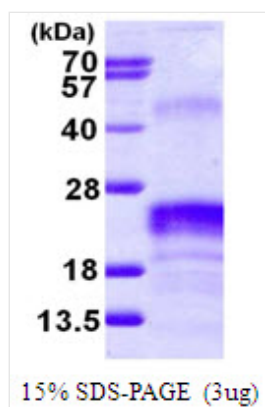
PRODUCT SYNONYMS

VEGF165; 207-371aa; Human; His tag; E Coli; Vascular endothelial growth factor A isoform d; VPF; VEGF; VEGF-A; VEGF165 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl (pH 8.5), 50%glycerol, 5mM DTT, 200mM NaCl, 2mM EDTA
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSSLVPRGSH APMAEGGGQN HHEVVKFMDV YQRSYCHPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCGGC CNDEGLECV TEESSNITMQI MRIKPHQGQH IGEMSFLQHN KCECRPKKDR ARQENPCGPC SERRKHLFVQ DPQTCCKSCK NTDSRCKARQ LELNERTCRC DKPRR
Sequence Length	371
Applicable Applications for VEGF165 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
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 (VEGF) is homodimeric, heparin-binding glycoprotein involved in both angiogenesis and vasculogenesis. VEGF is expressed as multiple alternately spliced isoforms of VEGF121, 165, 189 and 206. VEGF binds to the receptor tyrosine kinases VEGF R1 (Flt-1) and VEGF R2 (KDR/Flk-1) to activate signal transduction and regulate both physiological and pathological angiogenesis. Recombinant human VEGF165 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.
Product Categories/Family for VEGF165 recombinant protein	Hormones & Cytokines
References	Yasuji ueda., et al. (2004) Cancer Chemother Pharmacol. 54 (1):16-24. ; Neufeld G., et al. (1999) FASEB J. 13 (1):9-22.

NCBI AND UNIPROT INFORMATION

NCBI GI #	76781483
NCBI GeneID	7422
NCBI Accession #	NP_001020539
NCBI GenBank Nucleotide #	NM_001025368.2
UniProt Accession #	P15692; O60720; O75875; Q074Z4; Q16889; B5BU86; H0Y2S8; H0Y407; H0Y414; H0Y462; H0Y8N2; H3BLW7
Molecular Weight	21.3kDa (185aa), conformed by MALDI-TOF
NCBI Official Full Name	vascular endothelial growth factor A isoform d
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.