

VEGF active protein

Recombinant Human VEGF (165aa)

CATALOG #
AAA214255

HOST
E Coli

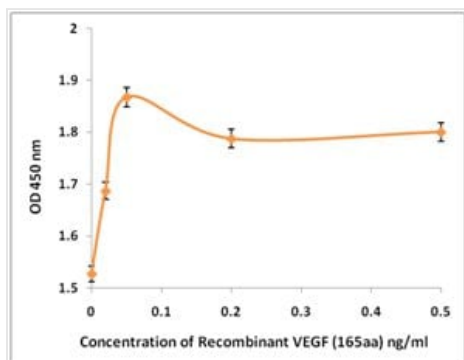
PRODUCT SYNONYMS

VEGF; Recombinant Human VEGF (165aa); Vascular endothelial growth factor A; VEGF-A; Vascular permeability factor; VPF; VEGFA; VEGF-165aa; Recombinant Human Vascular Endothelial Growth Factor 165AA (VEGFA); VEGF active protein

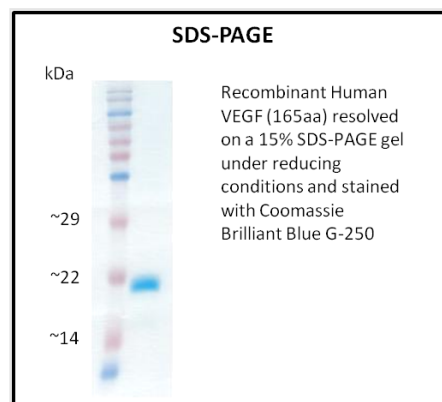
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from 0.2 um filtered solution in sodium phosphate and NaCl (pH 6.5)
Sequence Length	171
Bioactivity	The ED50 as determined by the dose-dependent proliferation of human umbilical vein endothelial cells was found to be <0.1ng/ml.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration no less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for VEGF active protein	VEGF is a homodimeric glycoprotein that is actively involved in angiogenesis, vasculogenesis and endothelial cell growth. Owing to alternative splicing of the mRNA, VEGF occurs in several molecular variants of 121, 162, 145, 148, 165, 183, 189 and 206 amino acids. The various isoforms of VEGF differ in biological properties such as; (a) the receptors they recognize and (b) their interaction with heparan sulfate proteoglycans. VEGF-121 and VEGF-165 are soluble secreted forms of the factor while VEGF-189 and VEGF-206 are mostly bound to heparin-containing proteoglycans in the cell surface or in the basement membrane. VEGF-165 is the most common variant in most tissues and one with heparin binding properties. Recombinant VEGF-165aa is a non-glycosylated, disulfide linked homodimer.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	324120930
NCBI GeneID	7422
NCBI Accession #	NP_001191313.1
NCBI GenBank Nucleotide #	NP_001191313.1
UniProt Accession #	P15692
Molecular Weight	19.0 kDa
NCBI Official Full Name	vascular endothelial growth factor A isoform q
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
UniProt Entry Name	VEGFA_HUMAN

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.