

VEGF active protein

Recombinant Human VEGF (121aa)

CATALOG #
AAA214288

HOST
E Coli

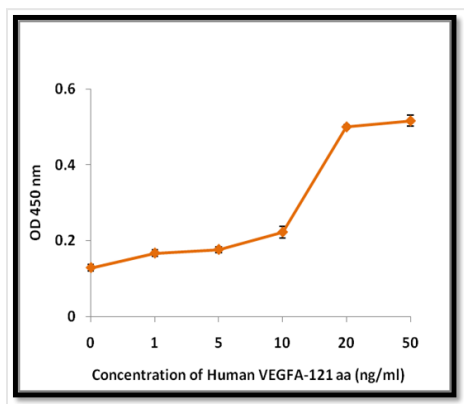
PRODUCT SYNONYMS

VEGF; Recombinant Human VEGF (121aa); Vascular endothelial growth factor A; VEGF-A; Vascular permeability factor; VPF; VEGF-121aa; Recombinant Human Vascular Endothelial Growth Factor 121AA (VEGFA); VEGF active protein

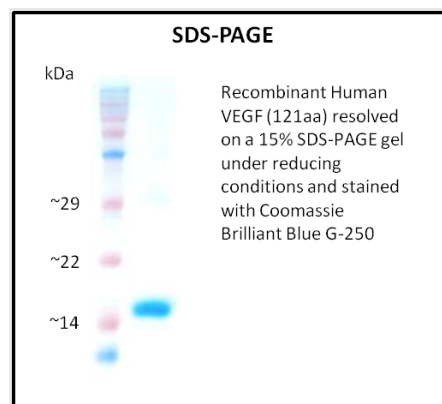
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from 0.2 um filtered solution in Tris and NaCl, pH 8.0
Sequence Length	540
Bioactivity	The ED50 as determined by the dose-dependent proliferation of human umbilical vein endothelial cells (HUVEC) was found to be 10 ng/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 not 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 heavily glycosylated, homodimeric protein. The human factor occurs in several molecular variants of 121, 162, 145, 148, 165, 183, 189, 206 amino acids, arising by alternative splicing of the mRNA. The splice forms of VEGF differ in biological properties such as the receptor types, which they recognize and their interaction with heparan sulfate proteoglycans. VEGF121 and VEGF165 are soluble secreted forms of the factor. The interaction of VEGF with heparin-like molecules of the extracellular matrix is required for efficient receptor binding. Protamine sulfate and suramin are capable of replacing the receptor-bound factor. This recombinant construct represents the isoform 121 of VEGFA.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	130746
NCBI GeneID	24197
UniProt Accession #	P15693
Molecular Weight	14.3 kDa
NCBI Official Full Name	Intestinal-type alkaline phosphatase 1
NCBI Official Synonym Full Names	alkaline phosphatase, intestinal
NCBI Official Symbol	Alpi
NCBI Official Synonym Symbols	Alp1; S51097
NCBI Protein Information	intestinal-type alkaline phosphatase 1
UniProt Protein Name	Intestinal-type alkaline phosphatase 1
UniProt Gene Name	Alpi
UniProt Synonym Gene Names	IAP-1; Intestinal alkaline phosphatase 1; IAP-I

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.