

VEGF-121 protein

VEGF-121 (His tag)

CATALOG #
AAA269808

HOST
E coli

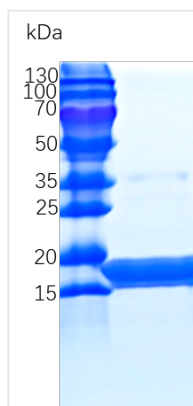
PRODUCT SYNONYMS

VEGF-121; VEGF-121 (His tag); Vascular Endothelial Growth Factor A; VEGFA; VEGF-A; Vascular Permeability Factor; VPF; VEGF; VEGF121; VEGF-121 protein

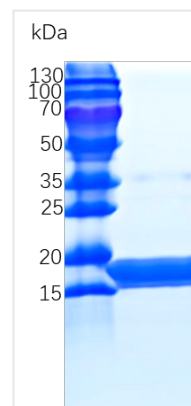
PRODUCT SPECIFICATIONS

Host	E coli
Form/Format	Purified protein solution after extensive dialysis against PBS, pH 7.5
Sequence	APMAEGGGQN HHEVVKFMDV YQRSYCHPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCGGC CNDEGLECVPT TEESNITMQI MRIKPHQGQH IGEMSFLQHN KCECRPKKDR ARQENC DKPR R Accession#: P15692-9
Species	Human
Tag	His
Expression System	Vascular endothelial growth factor (VEGF), produced in E coli is a single non-glycosylated polypeptide chain containing 121 amino acids. A fully biologically active molecule has a molecular mass of 14 kDa. The apparent molecular mass of the protein is approximately 18kD analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Preparation and Storage	Upon receiving, this product remains stable for up to 6 months at lower than -70 degree C. Upon reconstitution, the product should be stable for up to 1 week at 4 degree C or up to 3 months at -20 degree C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

IMAGES


SDS-PAGE

SDS-PAGE of VEGF-121 (#AAA269808).


Application Data

ADDITIONAL INFORMATION

Related Product Information for VEGF-121 protein	VEGF-A121 is one of five isoforms (121, 145, 165, 189, and 206) of VEGF protein, a cytokine belonging to the Platelet Differentiation Growth Factor (PDGF) family, and existing as a disulfide-linked homodimeric glycoprotein. In contrast to the longer isoforms, VEGF-A121 is more freely diffusible, and cannot bind to heparin. In vivo, VEGF is expressed predominantly in lung, heart, kidney, and adrenal glands, and the expression of VEGF is up-regulated by a number of growth factors, including PDGF, Fibroblast Growth Factor (FGF), Epidermal Growth Factor (EGF), and Tumor Necrosis Factor (TNF). VEGF signals via binding to two tyrosine kinase receptors: the Fms-like tyrosine kinase 1 (Flt-1) and the kinase domain receptor (KDR). VEGF is a specific mitogen and survival factor, contributing to abnormal angiogenesis and cancer development
Product Categories/Family for VEGF-121 protein	Protein & Antigen

NCBI AND UNIPROT INFORMATION

Molecular Weight	14kDa, The apparent molecular mass of the protein is approximately 18kD with 6XHis tag observed by reducing SDS-PAGE.
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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.

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Online datasheet: <https://www.aaabiotech.com/e-coli-protein/vegf-121/269808>