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VEGF-B, human recombinant protein
Vascular Endothelial Growth Factor-B, VEGFB
Catalog # PBV10340r

Specification

VEGF-B, human recombinant protein - Product info

Primary Accession	P49765
Calculated MW	**19.63 kDa KDa**

VEGF-B, human recombinant protein - Additional Info

Gene ID	**7423**
Gene Symbol	**VEGFB**

Other Names
Vascular Endothelial Growth Factor-B, VEGFB, VEGF-related factor

Gene Source	**Human**
Source	**E. coli**
Assay&Purity	**SDS-PAGE; ≥98%**
Assay2&Purity2	**HPLC;**
Recombinant	**Yes**
Results	**0.5-5.0 µg/ml.**

Target/Specificity
VEGF-B

Application Notes
Reconstitute in 0.1% acetic acid to a concentration of 0.1-1.0 mg/ml. The solution should be stored at -70°C.

Format
Lyophilized protein

Storage
-20°C; Lyophilized without additives

VEGF-B, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

VEGF-B, human recombinant protein - Images

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VEGF-B, human recombinant protein - Background

VEGF-B, a member of the VEGF family, is a potent growth and angiogenic cytokine. It promotes DNA synthesis in endothelial cells, regulates angiogenesis and Vascular permeability, and inhibits apoptosis in certain smooth muscle cells and neurons. VEGF-B is expressed in all tissues except the liver. It forms cell surfaced-associated disulfide linked homodimers and can form heterodimers with VEGF-A. There are two known isoforms, formed by alternative splicing, which have been designated VEGF-B167 and VEGF-B186. Both forms have identical amino-terminal sequences encoding a “cysteine knot” like structural motif, but differ in their carboxyl-terminal domains. Both VEGF-B isoforms signal only through the VEGFR1 receptor. Recombinant human VEGF-B is a 38.0 kDa disulfide-linked homodimeric protein consisting of two 167 amino acid polypeptide chains.

VEGF-B, human recombinant protein - References

Grimmond S.,et al.Genome Res. 6:124-131(1996).
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