

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 Cytometry](#)
- [Cell Culture](#)

VEGF-B, human recombinant protein - Images

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).
Olofsson B.,et al.J. Biol. Chem. 271:19310-19317(1996).
Olofsson B.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:2576-2581(1996).
Iyer S.,et al.J. Mol. Biol. 359:76-85(2006).