

## Product datasheet

# Recombinant Human VEGFE protein ab51001

### Overview

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<b>Product name</b>	Recombinant Human VEGFE protein
<b>Protein length</b>	Protein fragment

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Baculovirus
<b>Amino Acid Sequence</b>	
<b>Species</b>	Human

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab51001** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Biological activity</b>	ab51001 interacts with proteo-aminoglycans and heparan sulfate and with neuropillin 1.
<b>Applications</b>	SDS-PAGE
<b>Purity</b>	> 90 % SDS-PAGE. > 90%, by SDS-PAGE and visualised by silver stain. Endotoxin level: < 0.1 ng per ug of VEGF 165B.
<b>Form</b>	Lyophilised
<b>Additional notes</b>	ab51001 interacts with proteo-aminoglycans and heparan sulfate and with neuropillin 1.

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.  Preservative: None Buffer: None
<b>Reconstitution</b>	The lyophilised VEGF 165B is soluble in water and most aqueous buffers. The lyophilised VEGF 165B should be reconstituted in PBS or medium containing at least 0.1% human or bovine serum albumin to a concentration not lower than 50µg/ml.

## General Info

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### Relevance

Based on sequence similarity to VEGFA, a gene encoding a VEGF homologue has recently been discovered in the genome of Orf virus (OV) (Lyttle et al., 1994). Different isolates of Orf virus show significant amino acid sequence similarity to VEGFA and described as a viral virulence factor that appears to be derived from captured host genes. All eight cysteine residues of the central cysteine knot motif characteristic of members of the VEGF family are conserved among other residues in the VEGFE proteins (Dehio et al., 1999; Wise et al., 1999). Alignment of all mammalian VEGF sequences indicated that VEGFE is distinct from the previously described VEGFs but most closely related to VEGFA.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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