

## Datasheet: PHP091

**BATCH NUMBER 164858**

<b>Description:</b>	RECOMBINANT HUMAN VEGF
<b>Name:</b>	VEGF
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	10 µg

### Product Details

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			0.2 - 0.4ng/well
Western Blotting	▪			1.5 - 3.0ng/lane
Functional Assays	▪			1 - 100ng/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the protein for use in their own system using appropriate positive/negative controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified recombinant protein expressed in <i>E. coli</i> - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.1 ml distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
<b>Source</b>	E.coli
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Endotoxin Level</b>	< 0.1 ng/ug
<b>Approx. Protein</b>	0.1 mg/ml after reconstitution

## Concentrations

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### External Database

#### Links

**UniProt:**[P15692](#)[Related reagents](#)**Entrez Gene:**[7422](#)

VEGFA

[Related reagents](#)

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#### Synonyms

VEGF

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#### Product Information

VEGF is a homodimeric protein produced by various vascularized tissues. Activities include stimulation of endothelial cell growth, angiogenesis and capillary permeability.

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#### Protein Molecular Weight

38kD (2 x 165 Amino acid sequence)

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#### Purity

&gt;98% by SDS PAGE and HPLC analysis

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#### ELISA

PHP091 may be used in ELISA applications with either [AHP831](#) or [AHP831B](#).

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#### Western Blotting

PHP091 may be used under reducing or non-reducing western blotting conditions with either [AHP831](#) or [AHP831B](#).

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#### References

1. Easton, C.D. *et al.* (2014) Application of layer-by-layer coatings to tissue scaffolds – development of an angiogenic biomaterial [J. Mater. Chem. B. 2 \(34\): 5558-68.](#)

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#### Storage

Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

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#### Guarantee

Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.

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#### Health And Safety Information

Material Safety Datasheet documentation #10268 available at: <https://www.bio-rad-antibodies.com/SDS/PHP091>  
10268

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#### Regulatory

For research purposes only

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## Related Products

### Recommended Useful Reagents

[GOAT ANTI HUMAN VEGF \(AHP831\)](#)[GOAT ANTI HUMAN VEGF:Biotin \(AHP831B\)](#)

**North & South** Tel: +1 800 265 7376

**Worldwide** Tel: +44 (0)1865 852 700

**Europe** Tel: +49 (0) 89 8090 95 21

**America** Fax: +1 919 878 3751

Fax: +44 (0)1865 852 739

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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