

Datasheet: PHP091

Description:	RECOMBINANT HUMAN VEGF
Name:	VEGF
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			0.2 - 0.4ng/well
Western Blotting	▪			1.5 - 3.0ng/lane
Functional Assays	▪			1 - 10.0ng/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.

Target Species	Human
Product Form	Purified recombinant protein expressed in <i>E. coli</i> - lyophilized
Reconstitution	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.
Source	E.coli
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	< 0.1 ng/ug
Approx. Protein Concentrations	0.1 mg/ml after reconstitution

**External Database
Links**

UniProt:

[P15692](#) [Related reagents](#)

Entrez Gene:

[7422](#) VEGFA [Related reagents](#)

Synonyms

VEGF

Product Information

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

**Protein Molecular
Weight**

38kD (2 x 165 Amino acid sequence)

Purity

>98% by SDS PAGE and HPLC analysis

ELISA

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

Western Blotting

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

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.](#)

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.

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.

**Health And Safety
Information**

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

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

[GOAT ANTI HUMAN VEGF \(AHP831\)](#)

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

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

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