

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 - 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.

Target Species	Human
Product Form	Purified recombinant protein expressed in <i>E. coli</i> - lyophilised
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.
Preservative Stabilisers	None present
Endotoxin Level	<0.1 ng/ug
Approx. Protein Concentrations	0.1 mg/ml
External Database Links	<p>UniProt: P15692 Related reagents</p> <p>Entrez Gene: 7422 VEGFA Related reagents</p>
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. [Journal of Materials Chemistry B, 2, 5558-68](#)

Storage Prior to reconstitution store at +4°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.

Shelf Life 12 months from date of reconstitution.

Health And Safety Information Material Safety Datasheet documentation #10268 available at: 10268: <https://www.bio-rad-antibodies.com/uploads/MSDS/10268.pdf>

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

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

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

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