

## Datasheet: PPP030

<b>Description:</b>	RECOMBINANT PIG VEGF-A
<b>Name:</b>	VEGF-A
<b>Other names:</b>	VASCULAR ENDOTHELIAL GROWTH FACTOR A
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	5 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	▪			
Western Blotting	▪			

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 product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Pig
<b>Product Form</b>	Purified recombinant protein - lyophilized
<b>Reconstitution</b>	Reconstitute with 20 µl sterile PBS containing 0.1% carrier protein 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>Preparation</b>	Recombinant protein expressed in <i>Pichia pastoris</i> and purified by ion-exchange chromatography
<b>Source</b>	<i>Pichia pastoris</i>
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	10% Trehalose

**External Database  
Links**

**UniProt:**

[P49151](#)    [Related reagents](#)

**Entrez Gene:**

[397157](#)    VEGFA    [Related reagents](#)

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**Synonyms**            VEGF

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**Product Information**    **Recombinant Pig VEGF-A** is a recombinant protein corresponding to aa 27 - 190 of native porcine vascular endothelial growth factor A (VEGF-A).

VEGF-A, otherwise known as vascular permeability factor (VPF) is a member of the PDGF / VEGF family of growth factors. Porcine VEGF-A is a growth factor that induces cell proliferation in endothelial cells. It is important in endothelial cell growth, vasculogenesis and angiogenesis. VEGF-A is also active in the induction of blood vessel permeability.

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**Protein Molecular Weight**            19.2 kDa (calculated)

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**Purity**                                    >95% by SDS PAGE analysis

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**ELISA**                                    This reagent may be used as a standard in a sandwich ELISA assay in conjunction with [AHP2398](#) as a coating antibody and [AHP2398B](#) as a detection antibody.

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**References**                            1. Dawson, H.D. *et al.* (2020) Porcine cytokines, chemokines and growth factors: 2019 update. [Res Vet Sci. 131: 266-300.](#)

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**Storage**                                    Prior to reconstitution store at -20°C.  
After reconstitution store at -20°C.  
Storage in frost-free freezers is not recommended. This product should be stored undiluted.

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**Guarantee**                                12 months from date of despatch

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**Health And Safety Information**    Material Safety Datasheet documentation #10591 available at:  
<https://www.bio-rad-antibodies.com/SDS/PPP03010591>

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**Regulatory**                                For research purposes only

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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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