

Datasheet: PBP027

Description:	RECOMBINANT BOVINE VEGF-A
Name:	VEGF-A
Other names:	VASCULAR ENDOTHELIAL GROWTH FACTOR A
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Functional Assays			▪	

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.

Target Species	Bovine
Product Form	Purified recombinant protein - lyophilized
Reconstitution	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.
Preparation	Recombinant protein expressed in <i>Pichia pastoris</i> and purified by ion-exchange chromatography
Source	<i>Pichia pastoris</i>
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	10% Trahalose

**External Database
Links**

UniProt:

[P15691](#) [Related reagents](#)

Entrez Gene:

[281572](#) VEGFA [Related reagents](#)

Synonyms VEGF

Product Information **Recombinant Bovine VEGF-A**, is a recombinant protein corresponding to aa 27 - 190 of native bovine 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. Bovine 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.

Protein Molecular Weight 19.2 kDa

Purity >95% by SDS PAGE analysis

ELISA This reagent may be used as a standard in a sandwich ELISA assay in conjunction with [AHP2382](#) as a coating antibody and [AHP2382B](#) as a detection antibody.

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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10591 available at:
<https://www.bio-rad-antibodies.com/SDS/PBP027>
10591

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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