

## Active Recombinant Canine VEGFA

Cat. No. VEGFA-270C    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Canine VEGFA (Accession # AAD29682) Pro28-Arg190 was produced in E. coli-derived.
<b>Species</b>	Canine
<b>Source</b>	E.coli
<b>ProteinLength</b>	28-190 a.a.
<b>Predicted N Terminal</b>	Pro28
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA with BSA as a carrier protein.
<b>Bio-activity</b>	Measured in a cell proliferation assay using HUVEC human umbilical vein endothelial cells. Conn, G. et al. (1990) Proc. Natl. Acad. Sci. USA 87:1323. The ED50 for this effect is typically 1.5 - 7.5 ng/mL.
<b>Molecular Mass</b>	Recombinant Canine VEGFA has a calculated MW of 19 kDa (monomer).
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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**Reconstitution** Reconstitute at 100 g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

## GENE INFORMATION

**Gene Name** VEGFA vascular endothelial growth factor A [ *Canis lupus familiaris* (dog) ]

**Official Symbol** VEGFA

**Synonyms** VEGFA; vascular endothelial growth factor A; VPF; VEGF-A; vascular permeability factor; vascular endothelial growth factor 188

**Gene ID** 403802

**mRNA Refseq** NM\_001003175

**Protein Refseq** NP\_001003175

### MIM

**UniProt ID** Q9MYV3

**Chromosome Location** 12

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