

Active Recombinant Canine VEGFA

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

SPECIFICATION

Product Overview	Recombinant Canine VEGFA (Accession # AAD29682) Pro28-Arg190 was produced in E. coli-derived.
Species	Canine
Source	E.coli
ProteinLength	28-190 a.a.
Predicted N Terminal	Pro28
Form	Lyophilized from a 0.2 μ filtered solution in Acetonitrile and TFA with BSA as a carrier protein.
Bio-activity	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.
Molecular Mass	Recombinant Canine VEGFA has a calculated MW of 19 kDa (monomer).
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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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 45-1 Ramsey Road, Shirley, NY 11967, USA

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