

# Recombinant Canine VEGFA Protein, None-tagged, Alexa Fluor 488 conjugated

**Cat. No.** VEGFA-302CAF488    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 488 conjugated recombinant Canine VEGFA (NP_001103972.1) (Met1-Arg190), fused with None, was produced in Human Cells.
<b>Species</b>	Dog
<b>Source</b>	HEK293
<b>ProteinLength</b>	64
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	The recombinant canine VEGFA comprises 164 amino acids and has a predicted molecular mass of 19.1 kDa. The apparent molecular mass of the protein is approximately 23 kDa in SDS-PAGE under reducing conditions due to glycosylation.
<b>N-terminal Sequence Analysis</b>	Ala 27
<b>Endotoxin</b>	< 1.0 EU/ µg of the protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines

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	Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
<b>Stability</b>	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	Alexa Fluor 488

## GENE INFORMATION

<b>Gene Name</b>	VEGFA vascular endothelial growth factor A [ <i>Canis lupus familiaris</i> (dog) ]
<b>Official Symbol</b>	VEGFA
<b>Gene ID</b>	403802
<b>mRNA Refseq</b>	NM_001003175
<b>Protein Refseq</b>	NP_001003175
<b>UniProt ID</b>	Q9MYV3

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