Active Recombinant Zebrafish VEGF165 Protein, Alexa Fluor 647 conjugated

Cat. No. VEGF165-1026ZAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 647 conjugated recombinant zebrafish VEGF165 (O73682-Isoform VEGF165) (Met 1-Arg188) was expressed and purified.
Species	Zebrafish
Source	Insect Cells
ProteinLength	165
Form	Lyophilized
Bio-activity	Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED50 for this effect is typically 10-30 ng/mL.
Molecular Mass	The recombinant zebrafish VEGF165 consists of 165 amino acids and has a calculated molecular mass of 19.2 kDa. It migrates as an 22 kDa band in SDS-PAGE under reducing conditions.
N-terminal Sequence Analysis	Ala 24
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE

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Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	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.
Storage Buffer	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.01, 5%-8% trehalose and mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Alexa Fluor 647

GENE INFORMATION

Gene Name	vegfaa vascular endothelial growth factor Aa [Danio rerio (zebrafish)]
Official Symbol	vegfaa
Synonyms	vegfaa; vascular endothelial growth factor Aa; vegf; vegfa; wu:fj82c06; vascular endothelial growth factor A-A; VEGF-A-A; etID309976.16; vascular endothelial growth factor A; vegf-a
Gene ID	30682

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mRNA Refseq	NM_131408
Protein Refseq	NP_571483
UniProt ID	O73682

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