# Active Recombinant Zebrafish VEGF165 Protein, Alexa Fluor 555 conjugated

**Cat. No.** VEGF165-1026ZAF555 **Lot. No.** (See product label)

## SPECIFICATION

| | |
|---|---|
| **Product Overview** | Alexa Fluor 555 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 |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---|---|
| **Characteristic** | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 555 via amines<br>With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters. |
| **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 555 |

## 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 |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---|---|
| **mRNA Refseq** | NM_131408 |
| **Protein Refseq** | NP_571483 |
| **UniProt ID** | O73682 |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA