

# Recombinant Rat Vegfa Protein, None-tagged, Alexa Fluor 488 conjugated

**Cat. No.** Vegfa-878RAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Alexa Fluor 488 conjugated recombinant Rat Vegfa (AAA41211.1) 164 isoform (Met 1-Arg 190), fused with no tag, was produced in Baculovirus-Insect cells.                                                                                             |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                 |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 164                                                                                                                                                                                                                                                 |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | The secreted recombinant rat VEGF164 consists of 164 amino acids and has a predicted molecular mass of 19.2 kDa. The apparent molecular mass of the rat VEGF164 is approximately 25 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                        |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                                                                                                           |
| <b>Stability</b>        | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                                                                                                      |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 0.2 µm filtered solution of 100 mM Glycine, 10 mM NaCl, pH 7.0                                                                                           |
| <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>Rattus norvegicus</i> ] |
| <b>Official Symbol</b> | Vegfa                                                                   |
| <b>Gene ID</b>         | 83785                                                                   |
| <b>mRNA Refseq</b>     | NM_001110333                                                            |
| <b>Protein Refseq</b>  | NP_001103803                                                            |

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