## PRODUCT INFORMATION

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| **Target** | VEGFD |
| **Synonyms** | FIGF; VEGF-D |
| **Description** | Recombinant human VEGFD Protein with C-terminal human Fc tag |
| **Delivery** | In Stock |
| **Uniprot ID** | O43915 |
| **Expression Host** | HEK293 |
| **Tag** | C-Human Fc tag |
| **Molecular Characterization** | VEGFD(Phe93-Ser201) hFc(Glu99-Ala330) |
| **Molecular Weight** | The protein has a predicted molecular mass of 38.3 kDa after removal of the signal peptide. The apparent molecular mass of VEGFD-hFc is approximately 35-55 kDa due to glycosylation. |
| **Purity** | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage&Shipping** | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| **Sterility** | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use. |
| **Background** | The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family and is active in angiogenesis, lymphangiogenesis, and endothelial cell growth. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-2 and VEGFR-3 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor C. Read-through transcription has been observed between this locus and the upstream PIR (GeneID 8544) locus. [provided by RefSeq, Feb 2011] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

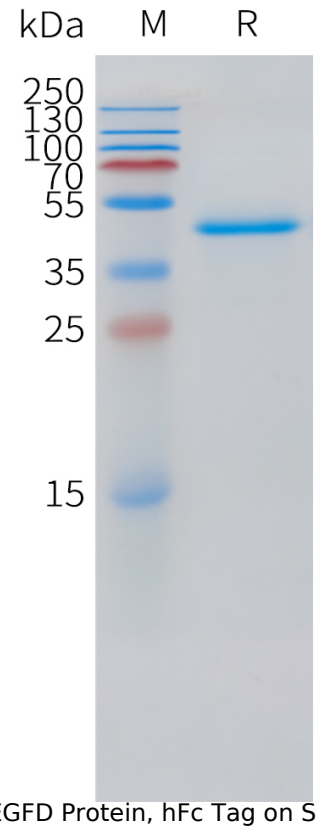


Figure 1. Human VEGFD Protein, hFc Tag on SDS-PAGE under reducing condition.