PRODUCT INFORMATION

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

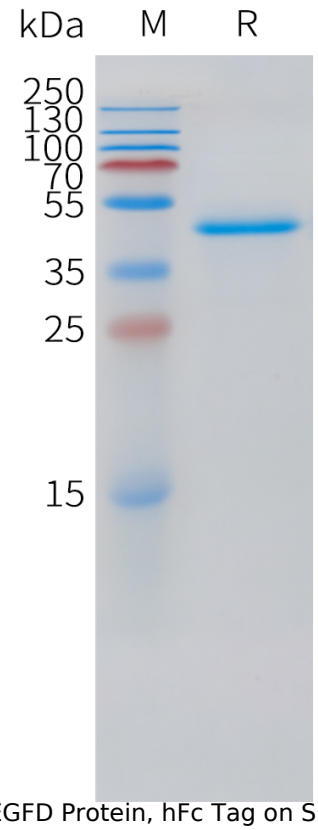

Figure 1. Human VEGFD Protein, hFc Tag on SDS-PAGE under reducing condition.