

Human VEGF-D Protein

Cat. No. VEG-HM10D



Description

Source	Recombinant Human VEGF-D Protein is expressed from HEK293 with His tag at the C-terminus. It contains Phe89-Arg205.
Accession	O43915
Molecular Weight	The protein has a predicted MW of 14.72 kDa. Due to glycosylation, the protein migrates to 23-43 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	>95% as determined by Bis-Tris PAGE >95% as determined by HPLC

Formulation and Storage

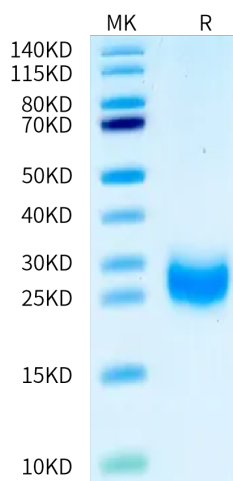
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Vascular endothelial growth factor-D (VEGF-D) is a secreted glycoprotein that can activate VEGF receptors on the endothelium, is a mitogen for endothelial cells and promotes the growth and remodeling of blood vessels and lymphatic vessels. VEGF-D, as with other members of the VEGF family, falls within a structural superfamily of growth factors containing a cystine knot motif, which involves a highly distinctive clustered arrangement of three intrasubunit cystine bridges.

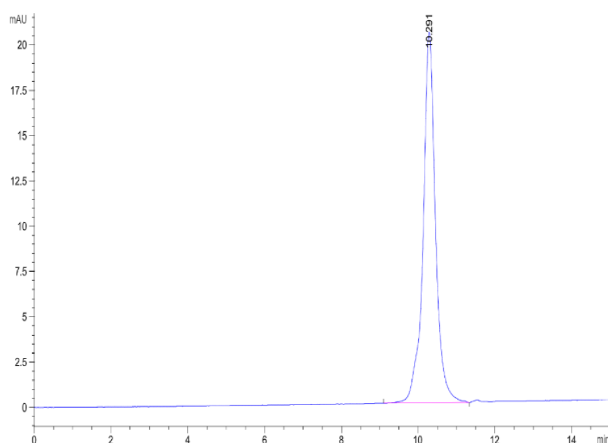
Assay Data

Bis-Tris PAGE



Human VEGF-D on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



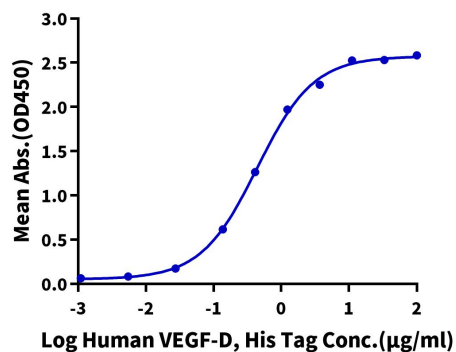
The purity of Human VEGF-D is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human VEGF-D, His Tag ELISA

0.2µg Human VEGF R3, hFc Tag Per Well



Immobilized Human VEGF R3, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human VEGF-D, His Tag with the EC50 of 0.44µg/ml determined by ELISA (QC Test).