Mouse VEGF R3/FLT4 Protein

Cat. No. VGF-MM2R3

Description

Source	Recombinant Mouse VEGF R3/FLT4 Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Tyr25-Glu775.
Accession	P35917
Molecular Weight	The protein has a predicted MW of 111.69 kDa. Due to glycosylation, the protein migrates to 115-160 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

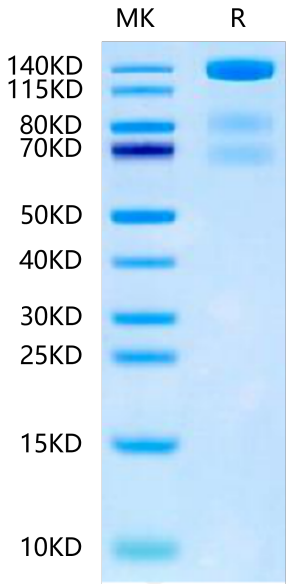
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Vascular endothelial growth factor (VEGF) and its receptors VEGF-R1, -R2 and -R3 play important roles in tumor angiogenesis and are associated with poor prognosis in several solid tumors.VEGF-R1, -R2 and -R3 were highly expressed in CRC cells and stromal vessels. VEGF-R1 strong positive staining correlated with shorter survival after CRC surgery.

Assay Data

Bis-Tris PAGE



Mouse VEGF R3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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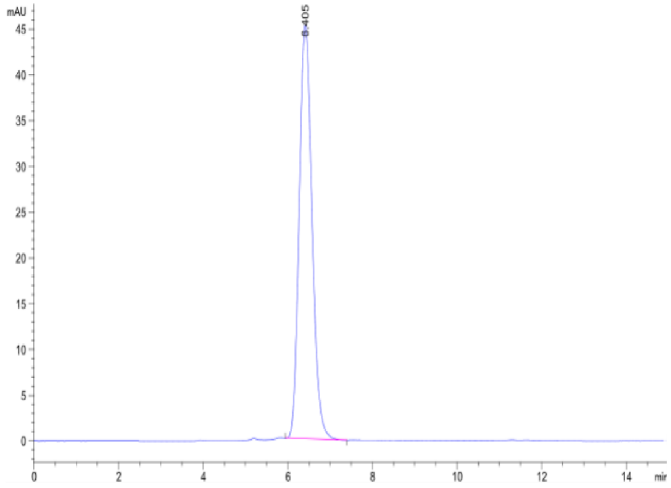
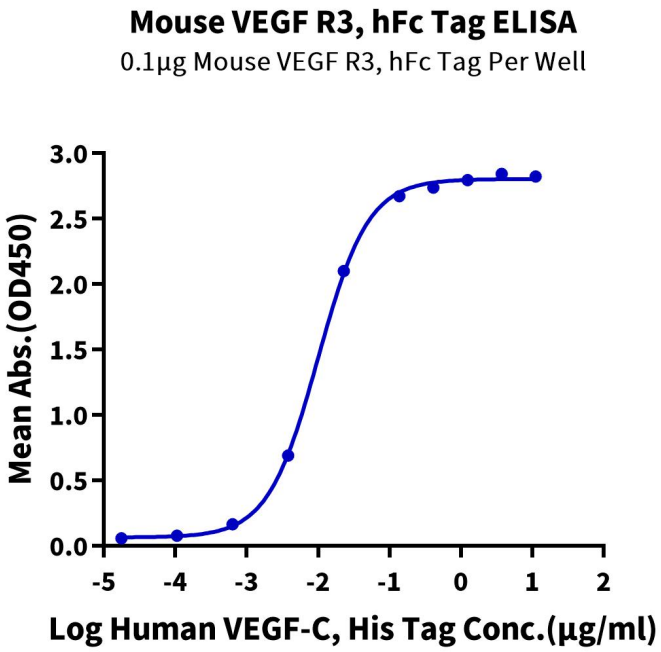
Assay Data



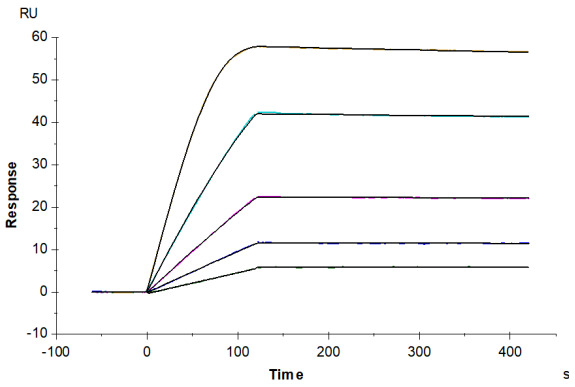
The purity of Mouse VEGF R3 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Mouse VEGF R3, hFc Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Human VEGF-C, His Tag with the EC50 of 10.0ng/ml determined by ELISA (QC Test).

SPR Data



Mouse VEGF R3, hFc Tag captured on CM5 Chip via Protein A can bind Human VEGF-C, His Tag with an affinity constant of 12.93 pM as determined in SPR assay (Biacore T200).