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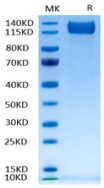
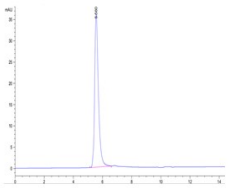
Recombinant human VEGFR2 protein, C-His-Avi (HEK293)

Catalog Number:	bs-47226P
Concentration:	＞0.5 mg/ml
AA Seq:	20-764/1356
Predicted MW:	21
Detected MW:	Due to glycosylation, the protein migrates to 115-140 kDa based on Tris-Bis PAGE result.
Tags:	C-His-Avi
Activity:	Not tested
Endotoxin:	<1.0 EU/μg as determined by LAL
Purity:	>95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC
Purification:	AC
Form:	Lyophilized
Storage:	Lyophilized from 0.22um filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization. Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.
Background:	Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas. [provided by RefSeq, May 2009].

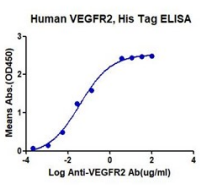
VALIDATION IMAGES



Recombinant Human KDR /VEGFR2 Protein on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Recombinant Human KDR /VEGFR2 Protein is greater than 95% as determined by SEC-HPLC.



Immobilized Human VEGFR2,His Tag at 0.5ug/ml (100ul/Well). Dose response curve for Anti-VEGFR2 Ab. with the EC50 of 36.9ng/ml determined by ELISA.