

32-17152: Recombinant human VEGFR2 Protein with C-terminal 6xHis tag

Alternative Name : CD309, FLK1, VEGFR, VEGFR2

Description

Expression Host : HEK293

The protein has a predicted molecular mass of 84.1kDa after removal of the signal peptide. The apparent molecular mass of VEGFR2-His is approximately 130-250 kDa due to glycosylation.

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 $\alpha V\beta 3$, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas.

Product Info

Amount :	50 μ g
Purification :	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.
Storage condition :	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

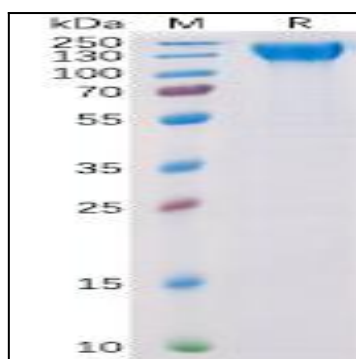


Figure 1. Human VEGFR2 Protein, His Tag on SDS-PAGE under reducing condition.