

Cynomolgus VEGFR1 Protein; His Tag

Product Information

Product Name	Cynomolgus VEGFR1 Protein; His Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88727RP-100 / 100 μg GM-88727RP-1000 / 1 mg

Protein Information

Alternative Names	FLT, FLT1
Source	Cynomolgus VEGFR1 Protein; His Tag (GM-88727RP) is expressed from human 293 cells (HEK-293). It contains AA Ser 27 - Asn 756 (Accession # A0A2K5VAF2). This protein carries a His tag at the C-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	82.8 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Description	Vascular endothelial growth factor receptor 1 (VEGFR1), encoded by the FLT1 gene, is a receptor tyrosine kinase belonging to the VEGF receptor family. It binds VEGF-A, VEGF-B and placental growth factor (PlGF) with high affinity through its extracellular immunoglobulin-like domains, and plays an essential role in embryonic vascular development, endothelial cell survival and migration, and both physiological and pathological angiogenesis. Notably, VEGFR1 possesses relatively weak intrinsic kinase activity and can sequester VEGF ligands away from VEGFR2, thereby acting as a negative regulator of VEGF signaling. Alternative splicing generates a soluble isoform (sFlt1), which lacks the transmembrane and kinase domains and functions as a secreted decoy receptor; its dysregulated expression has been implicated in preeclampsia and tumor angiogenesis.

Figures

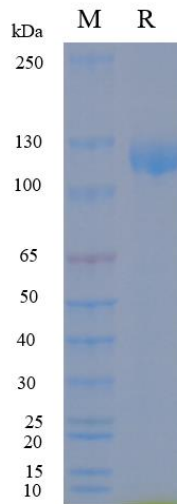


Figure 1 | On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

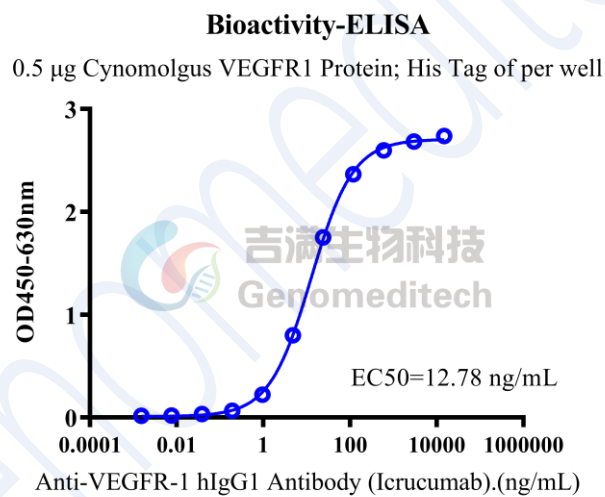


Figure 2 | Cynomolgus VEGFR1 Protein; His Tag (Catalog # GM-88727RP) was immobilized at 5 µg/ml (100 µL/well). Increasing concentrations of Anti-VEGFR-1 hIgG1 Antibody (Icrucumab) (Catalog # GM-88109AB) were added.

Related Products

VEGF:VEGFR	
H_VEGF Reporter 293 Cell Line	H_VEGF Reporter 293 DDX35TM Cell Line
H_VEGFR1 CHO-K1 Cell Line	H_VEGFR1 HEK-293 Cell Line
Membrane Bound H_VEGF165 CHO-K1 Cell Line	Mouse PDL1 VEGFA KO CT26 Cell Line
Anti-mouse VEGFR-2 mIgG2a Antibody(DC101)	Anti-mouse VEGFR-2 RIgG1 Antibody(DC101)
Anti-Mouse_PD1×VEGF hIgG1 Bispecific Antibody	Anti-VEGF hIgG1 Antibody(Bevacizumab)
Anti-VEGF hIgG1 Reference Antibody (Bevbio)	Anti-VEGF×PD1 hIgG1 Reference Antibody (Ivobio)
Anti-VEGF×PD-L1 hIgG1 Bispecific Antibody (Pumibio)	Anti-VEGFR-1 hIgG1 Antibody (Icrucumab)
Anti-VEGFR2 hIgG1 Antibody(ramucirumab)	Anti-VEGF×PD-L1 hIgG1 Bispecific Antibody (punitamig)
Biotinylated Human VEGF110 Protein; His-Avi Tag	Biotinylated Human VEGF121 Protein; His-Avi Tag
Biotinylated Human VEGFR2 Protein; His-Avi Tag	Human VEGF110 Protein; His Tag
Human VEGF121 Protein; His Tag	Human VEGF165 Protein; His Tag
Human VEGFR1 Protein; His Tag	Human VEGFR2 Protein; hFc Tag
Human VEGFR2 Protein; His Tag	Mouse VEGF120 Protein; His Tag
Mouse VEGF164 Protein; His Tag	Mouse VEGFR2 Protein; His Tag