

Recombinant Human VEGFR2 / KDR (mFc Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human VEGFR2 / KDR (mFc Tag)	93104ES20	20 µg
	93104ES60	100 µg
	93104ES76	500 µg
	93104ES80	1 mg

产品描述

VEGFR2 (KDR/Flk-1), VEGFR1 (Flt-1) and VEGFR3 (Flt-4) belong to the class III subfamily of receptor tyrosine kinases (RTKs). VEGFR2 cDNA encodes a 1356 amino acid (aa) residue precursor protein with a 19 aa residue signal peptide. Mature VEGFR2 is composed of a 745 aa residue extracellular domain, a 25 aa residue transmembrane domain and a 567 aa residue cytoplasmic domain. In contrast to VEGFR1 which binds both PlGF and VEGF with high affinity, VEGFR2 binds VEGF but not PlGF with high affinity. The recombinant soluble VEGFR2/Fc chimera binds VEGF with high affinity and is a potent VEGF antagonist.

产品性质

别名 (Synonyms)	CD309, KDR, VEGFR, VEGFR2, VEGFR-21, FLK1, KRDL, Ly73
Uniprot No.	P35968-1
表达区间及表达系统 (Source)	Recombinant Human VEGF R2/KDR Protein is expressed from HEK293 Cells with mFc tag at the C-terminal. It contains Ala20-Glu764.
分子量 (Molecular Weight)	Approximately 110 kDa. Due to glycosylation, the protein migrates to 150-200 kDa based on Tris-Bis PAGE result.
外观 (Physical Appearance)	Sterile Filtered White lyophilized (freeze-dried) powder.
纯度 (Purity)	> 95% as determined by SDS-PAGE and HPLC
活性 (Activity)	ELISA Data: Immobilized Human VEGF165 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Human VEGF R2, mFc Tag with the EC ₅₀ of 36.1 ng/mL determined by ELISA.
内毒素 (Endotoxin)	< 1.0 EU per 1µg of the protein by the LAL method.
制剂 (Formulation)	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
复溶 (Reconstitution)	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

运输与保存方法

冰袋运输。-20°C至-80°C保存，一年有效期。

复溶后，-20 至 -80°C，在未开封状态下保存 3-6 个月。复溶后，2-8°C 保存 2-7 天。

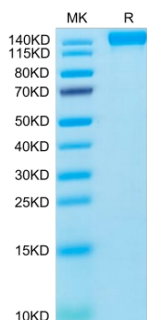
建议第一次使用时分装冻存，避免反复冻融。

注意事项

1. 避免反复冻融。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
3. 本产品仅作科研用途！

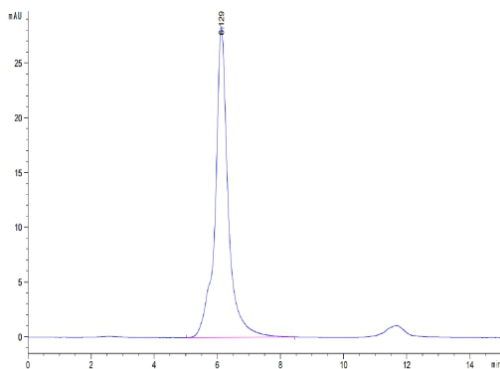
产品数据

Tris-Bis PAGE



Human VEGF R2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

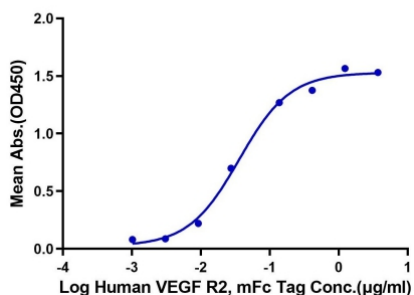
SEC-HPLC



The purity of Human VEGF R2 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human VEGF R2, mFc Tag ELISA
0.1 μ g Human VEGF165, No Tag Per Well



Immobilized Human VEGF165 1 μ g/mL (100 μ L/Well) on the plate. Dose response curve for Human VEGF R2, mFc Tag with the EC_{50} of 36.1 ng/mL determined by ELISA.