



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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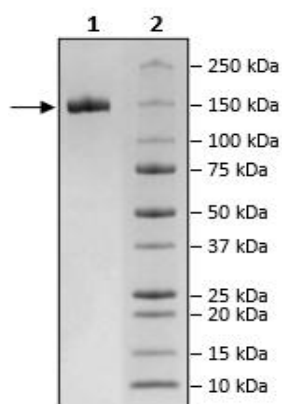


Product Information

Description:	Recombinant human VEGFR1 (vascular endothelial growth factor receptor 1), also known as FLT1, encompassing amino acids 27-756 corresponding to the extracellular domain. This construct contains a C-terminal Fc domain of human IgG1 followed by an Avi-tag™. This protein was affinity purified.
Background:	VEGFR1 (vascular endothelial growth factor receptor 1), also known as FLT1, is a tyrosine kinase that serves as a receptor for VEGFA, VEGFB and PGF (placental growth factor). It is involved in the development of embryonic vasculature, the regulation of angiogenesis, cell survival, cell migration, macrophage function, chemotaxis, and cancer cell invasion. It is a very high affinity receptor for VEGFA, and it may function as a negative regulator of VEGFA signaling by limiting the amount of free VEGFA and preventing its binding to VEGFR2, and intracellular signaling. It is thus considered a decoy receptor. VEGFR1 plays a role in macrophage migration through the activation of PLCγ (phospholipase C gamma) and PI3K (phosphoinositide 3-kinase) signaling pathways. Strategies to control the signaling pathways related to VEGF will advance the treatment of cardiovascular disorders and cancer.
Species:	Human
Construct:	VEGFR1 (27-756-Fc (IgG1)-Avi)
Concentration:	0.46 mg/ml
Expression System:	HEK293
Purity:	≥90%
Format:	Aqueous buffer solution.
Formulated In:	8 mM phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol
MW:	111 kDa + glycans
Glycosylation:	This protein runs at a higher MW by SDS-PAGE due to glycosylation.
Genbank Accession:	NM_002019.4
Stability:	At least 6 months at -80°C.
Storage:	-80°C
Instructions for Use:	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Assay Conditions:	This protein was tested following the VEGFR1:VEGF165 [Biotinylated] Inhibitor Screening Chemiluminescence Assay Kit (#82632).
Applications	Useful for binding studies between VEGFR1 and VEGF165.

Quality Control Data

4-20% SDS-PAGE Coomassie Staining



VEGFR1:VEGF165-biotin Binding Assay

